

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED FEB. 9, 2000

LAND: FEE & PATENTED

STATE LEASE NO. ML-21836

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED March 16, 2000

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD Monument Butte

UNIT: 1 Wells Draw (GR)

API NO: 43-013-31819

COUNTY: Duchesne

WELL NO. Wells Draw 9-32-8-16

LOCATION 1977 FSL

FT. FROM (N) (S) LINE, 0562 FEL

FT. FROM (E) (W) LINE: NESE

1/4 - 1/4 SEC. ☒

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

8S

16E

32

Inland Production Co.



WADE E. MILLER, Ph.D.
Paleontological Consultant
2871 Indian Hills Dr. • Provo, Utah 84604
Phone (801) 375-5058 FAX (801) 375-2151

JUL 21 1999

RECEIVED

July 13, 1999

School and Institutional Trust lands Administration
Attn: Mr. Kenny Wintch
675 East 500 South, Suite 500
Salt Lake City, UT 84102

Dear Kenny:

Enclosed is a report for the paleontological field survey performed by me on July 12, 1999 on State lands representing potential well sites to be developed. An earlier survey in the general area was also made by me last October in which a couple of important fossils were discovered. Additionally, on a school field trip which I conducted in the general area last April, a student found a partial jaw of a primitive horse-like animal — a significant find.

Sec. 32 8S, 16E 43-013-31819

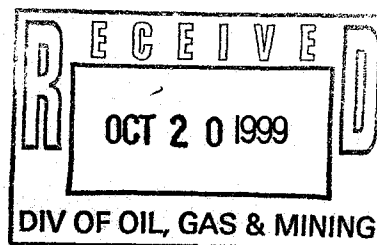
The current paleontological survey covered a fairly broad area covering three U.S.G.S. 7.5' quadrangle maps. The sites are designated as the Ashley unit (well numbers 1-2 and 8-2), the Wells Draw expansion unit (well numbers 9-32, 15-32 and 16-32), the Lone Tree unit (well number 10-16) and the Castle Peak Draw unit (well number 14-2). The only exposed rock units in the region are the Eocene age Uinta Formation (which as indicated in the report, yields many significant to very significant fossils) and Quaternary alluvium. Thus far no important fossils have apparently been found in these units in the region.

Although turtle shell fragments were found at both the Lone Tree and Castle Draw well sites, they were too fragmented to be considered important. However, the potential exists for more complete ancient turtle material at these sites, and that would then be significant. Fossil crocodilian specimens are much more uncommon in the Uinta Basin, and all identifiable specimens are regarded as important. A crocodile vertebra was found at the Castle Peak Draw well site (as given in the report) that came from an animal approximately 15 feet or more in length. Therefore, this well site should be closely monitored by a qualified paleontologist during any land disturbances in the area. And for any extensive excavation to the Uinta Formation at the other sites, they should also be monitored.

If there is further information that I might provide, please contact me at the numbers given above.

Sincerely,

Wade
Wade E. Miller
Consulting Paleontologist



INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PROJECT DEVELOPMENT AREAS
SOUTHEASTERN DUCHESNE COUNTY, UTAH**

REPORT OF SURVEY

**By Wade E. Miller, Ph. D.
Consulting Paleontologist**

**2871 Indian Hills Drive
Provo, Utah 84604
Tel: 801.375.5058
Fax: 801.375.2151**

July 17, 1999

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PROJECT DEVELOPMENT AREAS
SOUTHEASTERN DUCHESNE COUNTY, UTAH

1

INTRODUCTION

July 1, 1999, Scott Billat of the Springville, Utah office of JBR Environmental Consultants, Inc. made contact with Wade Miller, paleontologist. Mr. Billat indicated that Inland Resources of Denver, Colorado needed a paleontological field survey made of selected areas to be developed within the oil fields about 10 to 12 miles south and southwest of Myton, Duchesne County, Utah. The specific areas targeted for possible future development by Inland Resources, and now paleontologically surveyed, are: the NE, SE, and SW quarters of the SE 1/4, Sec. 32, T8S, R16E; the NE and SE 1/4, NE 1/4, Sec. 2, T9S, R15E; the NW 1/4, SE 1/4, Sec. 16, T9S, R17E and the SE 1/4, SE 1/4, SW 1/4, the SW, SE, and NE quarters of the SE 1/4, and the SE and NE 1/4 of Sec. 10, T9S, R17E as well as the SW 1/4, SW 1/4, SW 1/4, Sec. 2, T9S, R17E.

Paleontological field surveys typically rely on geologic maps in order to determine the geologic formation(s) and age(s) of rocks. Relevant geologic maps were reviewed for this information relative to the present area to be investigated. This type of map information also helps indicate the types of fossils that might be present. This information thus obtained showed that all the above areas exposed either the late Eocene age (40 to 45 million years ago) Uinta Formation or else Quaternary age (1.8 million to present) alluvial sediments. As determined by the Utah State Paleontologist's office, the Uinta Formation is one of Utah's paleontologically most sensitive of all the state's geologic formations. It includes dozens of important fossils, many restricted to the age of this formation. The North American Land Mammal Age for the late Eocene is based on mammals from this formation. The Uinta Formation is variegated in color

throughout the Uinta Basin and is composed mostly of fluvial and floodplain deposits, but 2
contains lacustrine ones as well. The fluvial deposits consist of coarse sandstones, mostly as
stream deposits that currently are expressed in sinuous ridges because of their resistance to
erosion. Floodplain deposits are generally finer grained, ranging from fine sands, through silts, to
muds. Lacustrine deposits usually consist of muds, clays and some limestones which commonly
are green or greenish in color. All the above sediments are known to contain fossils. Known
fossils represent a variety of plants, a few types of invertebrates and large numbers of vertebrate
fossils. The latter include fish, limited lizards and rare snakes, abundant turtles, occasional
crocodiles, a few birds, and a multitude of mammals.

Before the field survey began, Blaine Phillips of the regional BLM office at Vernal, Utah,
and Martha Hayden of the Utah State Paleontologist's office in Salt Lake City, were contacted.
This was done in order to determine whether fossil sites in the area to be surveyed as described
above were present but unknown to me. Mr. Phillips had a copy of an unpublished paleontological
report made by Mr. Alden Hamblin (1994) for the PG & E Wells Draw Unit near the present
areas of study. I received a copy of this report to study before the present paleontological field
survey was made on July 13, 1999. Reports of other fossil finds from the general area had already
been accessible, and reviewed. Additionally, geological and topographic maps covering the
investigated area were studied. These items are all contained in my files. A copy of a letter
showing State fossil sites along with a site locality form are included in this report.

RESULTS OF SURVEY

Due to the discontinuous nature of the oil field roads in the study area, it took several
attempts to locate the four areas to be surveyed as listed above. Nevertheless, each site was

eventually accurately located and surveyed on foot. The first investigated site consisted of the 3
three 1/16th section plots in the SE 1/4, Sec. 32, T8S, R16E. Wells Draw, a major drainage
channel in the area, runs through the southern half of the study area. Within it exposed units of
sandstone, tan to dark brown, make up the channel walls. The only fossils found in the area were
burrowing structures made by an unknown invertebrate. They are locally common. Quaternary
sediments along the base of the channel did not reveal any fossils. The same was true for the
nearly flat expanse to the north of the channel including the northern portion of the area surveyed.

The second area checked for fossils was the eastern half of the NE 1/4, Sec. 2, T9S,
R15E. Most of this area was covered in rock rubble resting in and on a thin desert soil. A small
arroyo cuts across the northernmost portion of this proposed site. In it are thin lenses of
sandstone and silty shale in situ. No fossils were found throughout this area.

Much of the third area, NW 1/4, SE 1/4, Sec. 16, T9S, R17E consists of an ancient, now
elevated because of resistant sandstone, stream channel with a present shallow arroyo running
along its northern flank. Light colored coarse to fine sandstone units make up this ridge. Some
burrow structures similar to those seen at the first site occur in the sandstones. Turtle shell pieces
were also found here as loose fragments on the lower slope of the ridge in the southeast corner of
the surveyed area.

The fourth and last area surveyed is also the largest. However, much of it is soil covered
and does not show the underlying Uinta Formation. But two arroyos that run through the
designated area do expose portions of the formation. Some turtle shell fragments, but more
importantly a crocodile vertebra, were found in this arroyo in the center of the NE 1/4, SE 1/4,
Sec. 10, T9S, R17E.

RECOMMENDED MITIGATION

4

No fossils of importance are known in the desert soil cover of the region, and apparently none have been found in the Quaternary alluvium that fills some of the arroyos/draws. However, the Uinta Formation with its numerous fossils does underlie these deposits, usually at shallow depth. Exposed Uinta Formation at the four listed sites above did not yield important fossils, with one exception. This is the crocodile vertebra found in the arroyo near the center of the NE 1/4, SE 1/4, Sec. 10, T9S, R17E. If any excavation takes place here, careful examination needs to be made by a trained paleontologist. The fossilized burrow structures seen at sites listed above are not deemed paleontologically significant. Since turtle shell fragments are so abundant throughout the Uinta Basin, in and of themselves they too are not considered very important. However, if larger to complete or nearly complete portions of turtle shell occur, especially if other skeletal elements are present, then they do become significant fossils. While no mammalian fossils were discovered during the present survey, they have the potential of occurring in the Uinta Formation and are considered very important. Therefore, when excavations of even moderate extent are made invasive to this formation, a paleontologist should be present to salvage any important fossils uncovered.

With the exception of the site yielding the crocodile vertebra, there is no paleontological reason why projected development plans for the areas surveyed cannot be carried out. Again, though, it is very important that a qualified vertebrate paleontologist be on hand when significant excavations are made anywhere within the Uinta Formation.

Wade E. Miller, Ph.D.

PALEONTOLOGY ATTACHMENT

Locality No.(s) 42 Dc 335 V

1. Type of Locality: ☐ Invertebrate ☐ Plant ☒ Vertebrate ☐ Trace ☐ Other

2. Formation/Horizon/Geologic Age: UINTA FORMATION / LATE EOCENE

3. Description of Geology and Topography: SANDSTONES, SILTSTONES & MUDSTONES OF THE
UINTA FM. WIDELY EXPOSED, WITH GRASS COVER IN MUCH OF THE AREA
COLORS RANGE FROM DARK TO LIGHT BROWN FOR COARSER SEDIMENTS
AND RED - PURPLE - GREEN (VARIEGATED) FOR MUDSTONES. FLUVIAL &
& FLOODPLAIN DEPOSITS UNDERGOING EROSION ON IRREGULAR SURFACES

4. Location of Outcrop: OUTCROP LOCATED ABOUT 1/2 km SOUTH OF MYTON

5. Map Ref.: USGS Quad: PARIAH DRAW SW Scale 1:24000 Min. 7.5' Ed. 1964
 CENTER of NE 1/4 of SE 1/4 of Sec. 10 T. 9S R. 17E Meridian SLC

6. County DUCHESNE 7. Federal Admin. Unit(s) _____

8. Specimens Collected and Field Accession No.: CROCODILE VERTEBRA (MISSING NEURAL
ARCH) REPRESENTING AN INDIVIDUAL 15 FEET OR MORE IN LENGTH
FIELD # WEM 99-3

9. Repository: BRIHAM YOUNG UNIVERSITY PALEONTOLOGY COLLECTIONS

10. Specimens Observed and Disposition: IN ADDITION TO VERTEBRA LISTED ABOVE A
NUMBER OF TURTLE SHELL FRAGMENTS OBSERVED BUT NOT COLLECTED

11. Ownership: ☐ Priv. ☒ State ☐ BLM ☐ USFS ☐ NPS ☐ Ind. ☐ Mil. ☐ Other

12. Recommendations for Further Work or Mitigation: QUALIFIED PALEONTOLOGIST TO BE
AT SITE IF ANY EXCAVATIONS TAKE PLACE

13. Type of Map made by Recorder: PHOTOCOPY OF 7.5' QUADRANGLE (AS ABOVE)

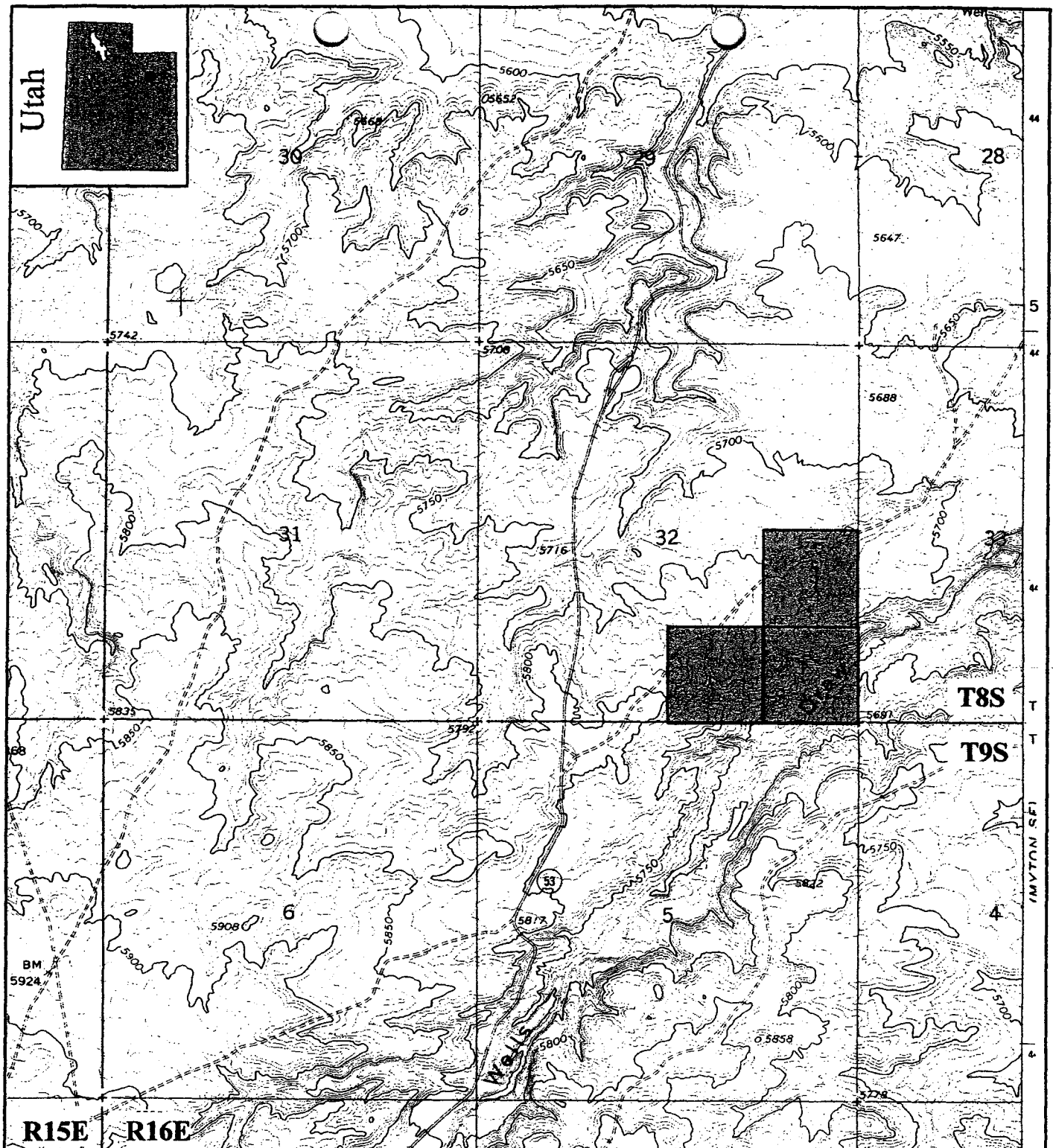
14. Published References: NONE

15. Remarks: POTENTIAL MODERATE FOR VERTEBRATE FOSSILS IN
THIS AREA

16. Sensitivity: ☐ Critical ☒ Significant ☐ Important ☐ Insignificant

17. Recorded by: WADE E. - MILLER

Utah



T8S

T9S

R15E R16E

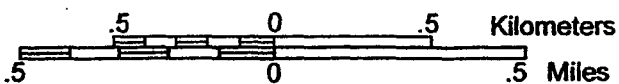
KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT

INLAND RESOURCES

FIGURE 3
PROJECT AREA
AND CULTURAL RESOURCES

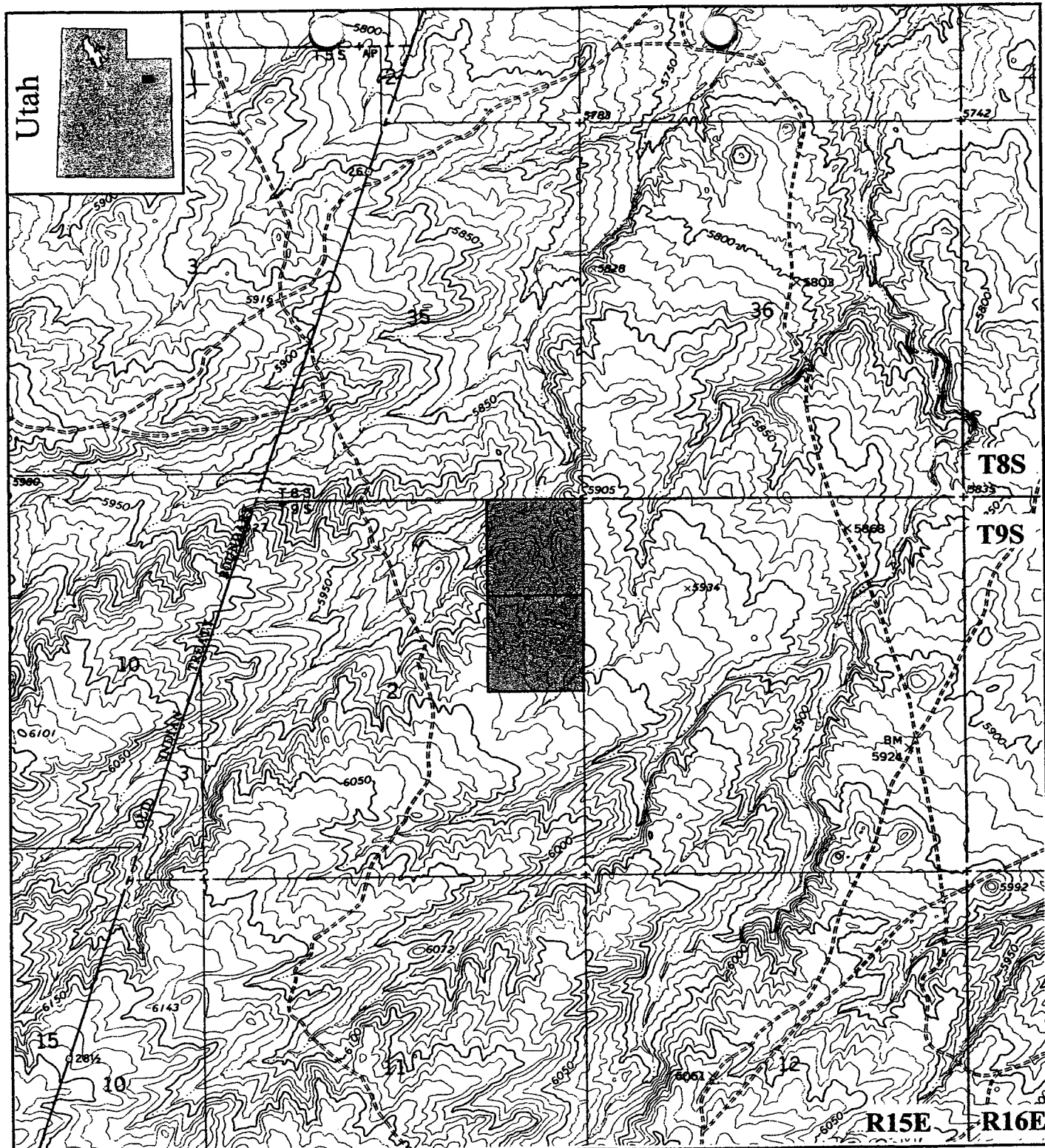
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jbr

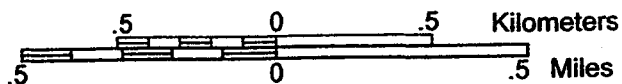
environmental consultants, inc.

Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada



KEY:

BASE FROM MYTON SW, UT - 7.5 MIN QUAD, 1964
CONTOUR INTERVAL 10 FT



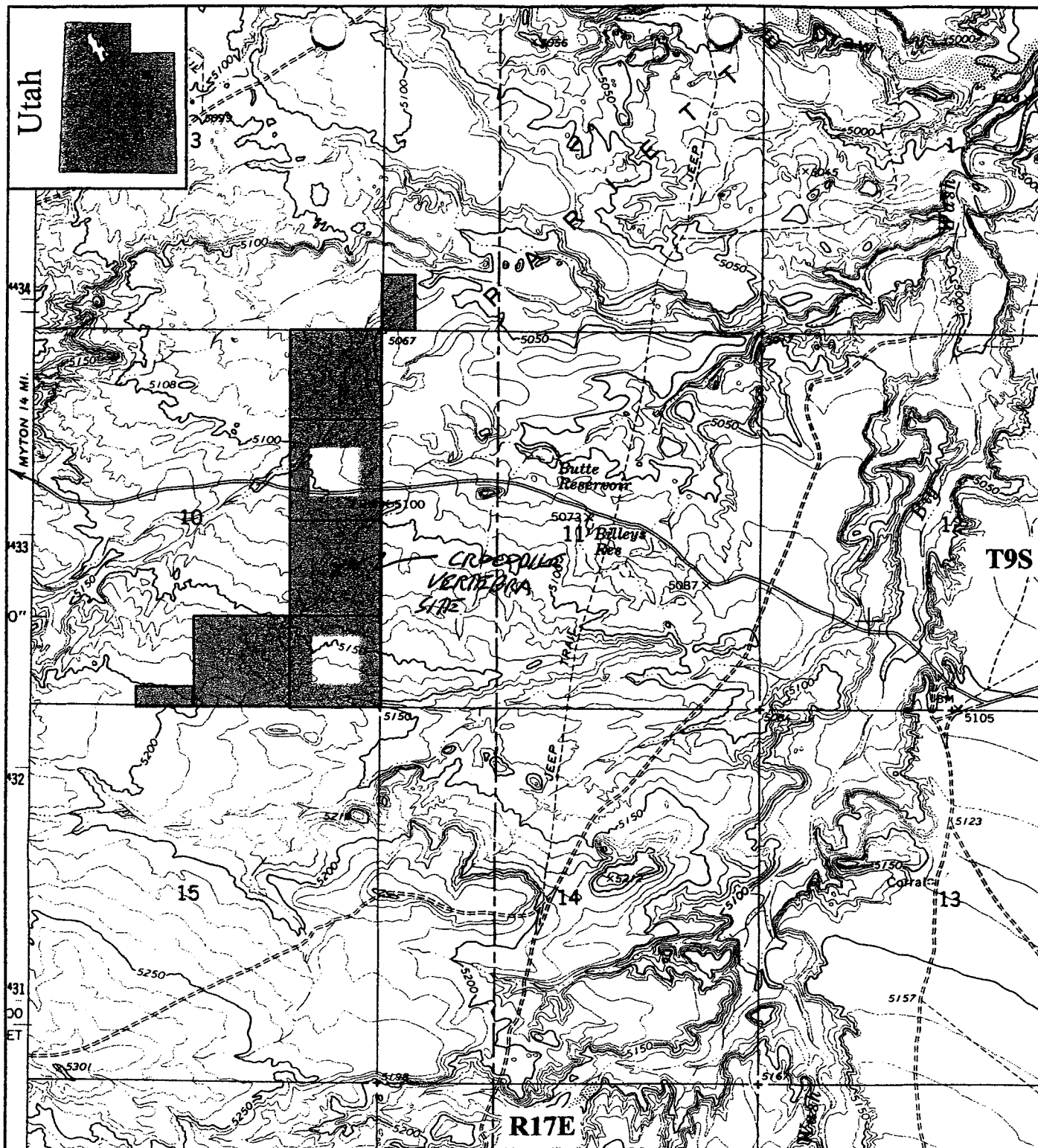
INLAND RESOURCES

FIGURE 4 PROJECT AREA AND CULTURAL RESOURCES

jbr

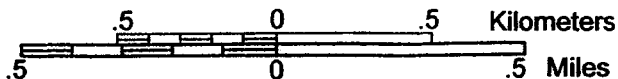
environmental consultants, inc.

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KEY:

BASE FROM PARIETTE DRAW SW, UT -
7.5 MIN QUAD, 1964.
CONTOUR INTERVAL 10 FT



INLAND RESOURCES

FIGURE 6
PROJECT AREA
AND CULTURAL RESOURCES

jbr

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Salt Lake City, Utah • Springville, Utah • Reno, Nevada • Elko, Nevada

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL ☐ DEEPEN ☒

1b. TYPE OF WELL

OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS AND TELEPHONE NUMBER:

410 - 17th Street, Suite 700, Denver, CO 80202

Phone: (303) 893-0102

4. LOCATION OF WELL (FOOTAGE)

At Surface NESE 1977.1' FSL & 561.9' FEL

At proposed Producing Zone

4435963 N
573741 E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 12 Miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

561.9' f/lease line & 3303' f/unit line

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approximately 1214'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5742' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx * back to surface
7 7/8	5 1/2	15.5#	TD	400 sx followed by 330 sx
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

SURFACE PIPE - Class "G" Cement, w/ 2% CaCl₂, 1/4#/sk Cello-flakeWeight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H₂O Req: 6.4 gal/sk

LONG STRING - Lead: Premium Lite w/3% KCl & 10% gel

Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H₂O Req: 21.04 gal/sk

Tail: 50/50 POZ w/2% gel & 3% KCl

Weight: 14.2 PPG YIELD: 1.24 Cu Ft/sk H₂O Req: 5.5 gal/sk

RECEIVED

FEB 09 2000

DIVISION OF
OIL, GAS AND MINING

24.

Name & Signature

Jon Holst

Title: Counsel

Date: 1/24/00

(This space for State use only)

API Number Assigned:

43013-31819

APPROVAL:

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 3/16/00

By: [Signature]

*See Instructions On Reverse Side

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 22, 2000

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2000 Plan of Development Wells Draw Unit
Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2000 within the Wells Draw Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
43-013-31676	WELLS DRAW 15-32-8-16	0738-FSL 1824-FEL 32 08S 16E
43-013-31817	WELLS DRAW 16-32-8-16	0601-FSL 0544-FEL 32 08S 16E
43-013-31819	WELLS DRAW 9-32-8-16	1977-FSL 0562-FEL 32 08S 16E

This office has no objection to permitting the well at this time.

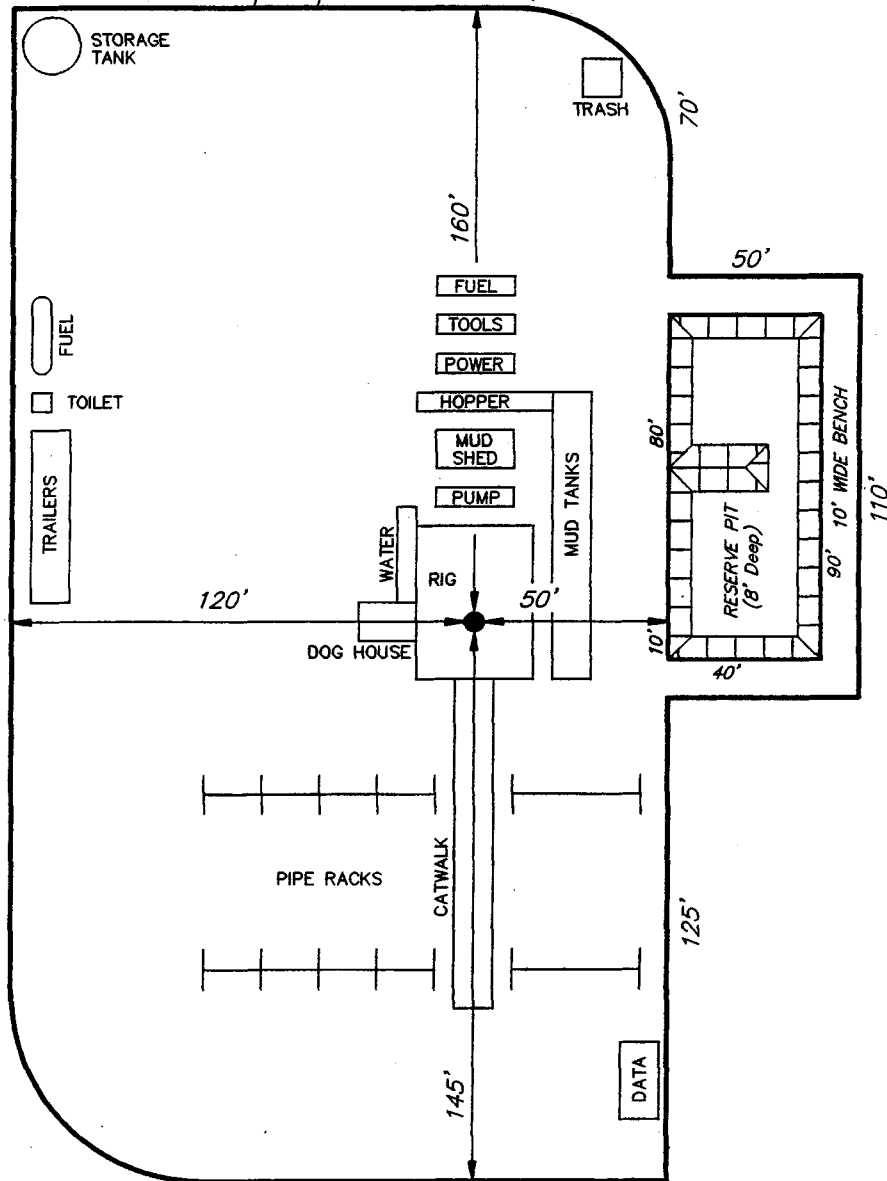
/s/ Michael L. Coulthard

bcc: File - Wells Draw Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-22-00

TYPICAL RIG LAYOUT

WELLS DRAW #9-32-8-16



INLAND PRODUCTION COMPANY
WELLS DRAW UNIT 9-32-8-16
NESE SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT WELL PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 – 1750'
Green River	1750'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1750' – 6500' – Oil

4. PROPOSED CASING PROGRAM:

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 300' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected); or
4-1/2" J-55 11.6# w/LT&C collars; set at TD (New or used, inspected)

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

(See Exhibit F)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 1750' +/- to TD, a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

MUD TYPE

Surface – 320'

Air

320' – 3800'

Air/Mist & Foam

3800' – TD

The well will be drilled with fresh water through the Green River Formation @ 4200' +/-, to TD, a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel and, if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2000, and take approximately eight (8) days from spud to rig release.

INLAND PRODUCTION COMPANY
WELLS DRAW UNIT 9-32-8-16
NESE SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Wells Draw Unit 9-32-8-16 located in the NESE Section 32, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed in a southerly direction along Utah State Highway 53 approximately 1.7 miles and continue in a southwesterly direction on State Highway 53 (Nine Mile Canyon Road) for approximately 8.6 miles, turn left and go north for 9/10 of a mile to the beginning of the proposed access road.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 0.4 miles of access road is proposed.
See **Topographic Map "B"**.

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **Exhibit D**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from the Johnson Water District, or trucked from Inland Production Company's water supply line.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet – **Exhibit E**.

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - See **Exhibit E**.

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. A water-processing unit may be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, the operator may use a liner for the purpose of reducing water loss through percolation.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet – **Exhibit E**.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey is attached.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Wells Draw Unit 9-32-8-16 Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Well Draw Unit 9-32-8-16 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Donn Murphy
Address: 410 Seventeenth Street
Suite 700
Denver, CO 80202
Telephone: (303) 893-0102

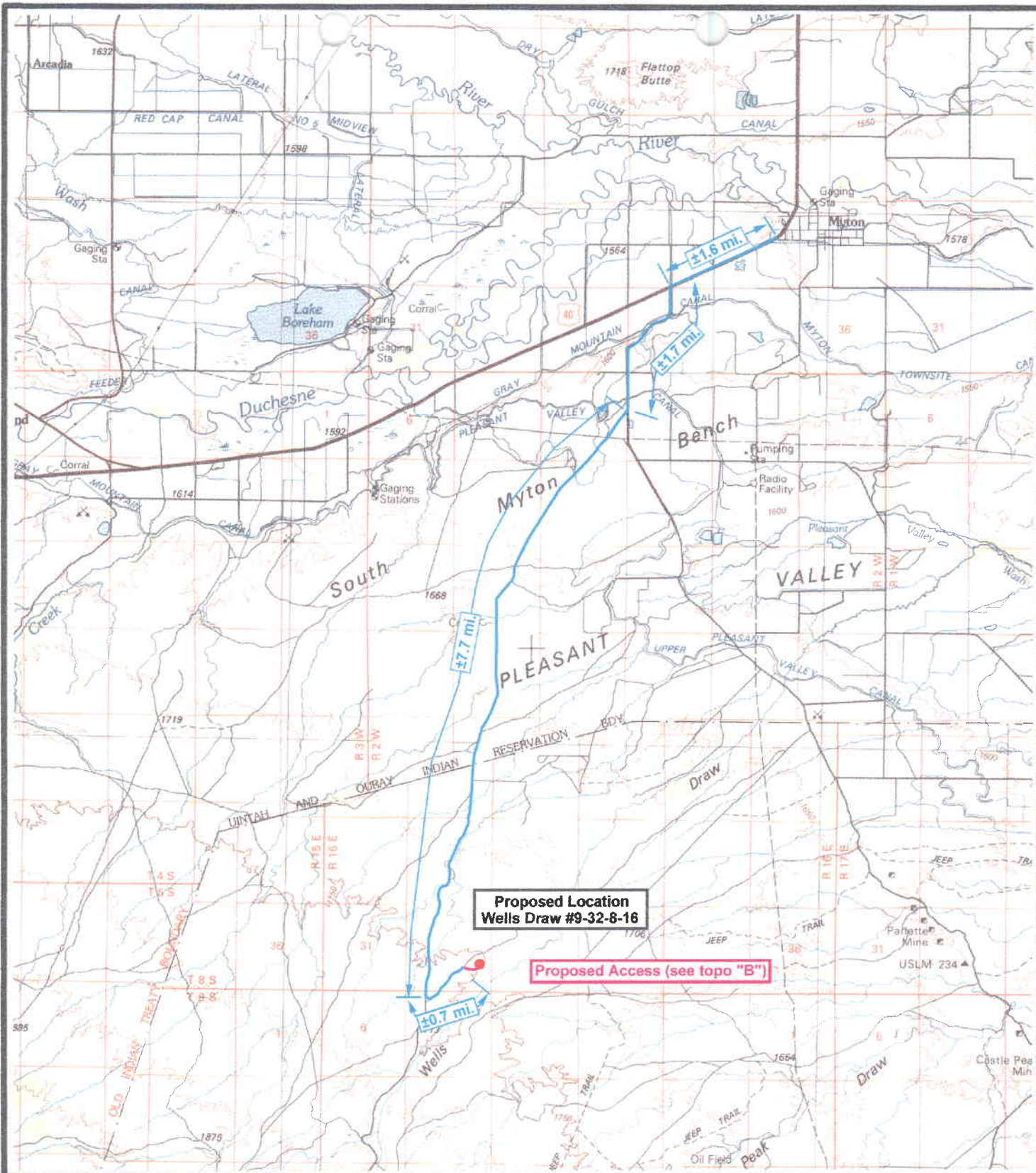
Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #9-32-8-16, NESE Section 32, T8S, R16E, Lease #ML-21836, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2-7-00
Date

Donn Murphy
Donn Murphy
Sr. Operations Engineer



**Proposed Location
Wells Draw #9-32-8-16**

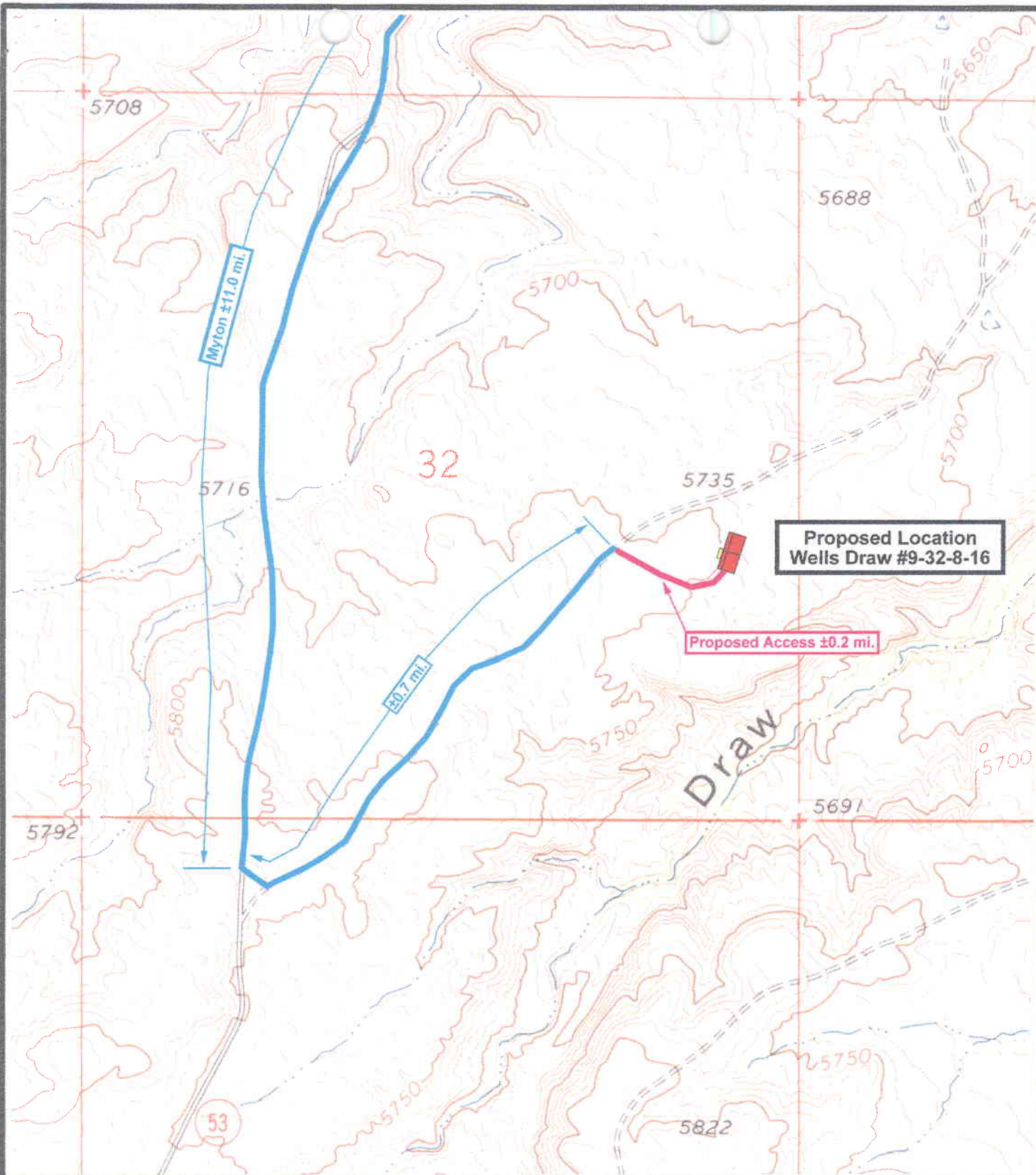
Proposed Access (see topo "B")



**WELLS DRAW #9-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.
TOPOGRAPHIC MAP "A"**



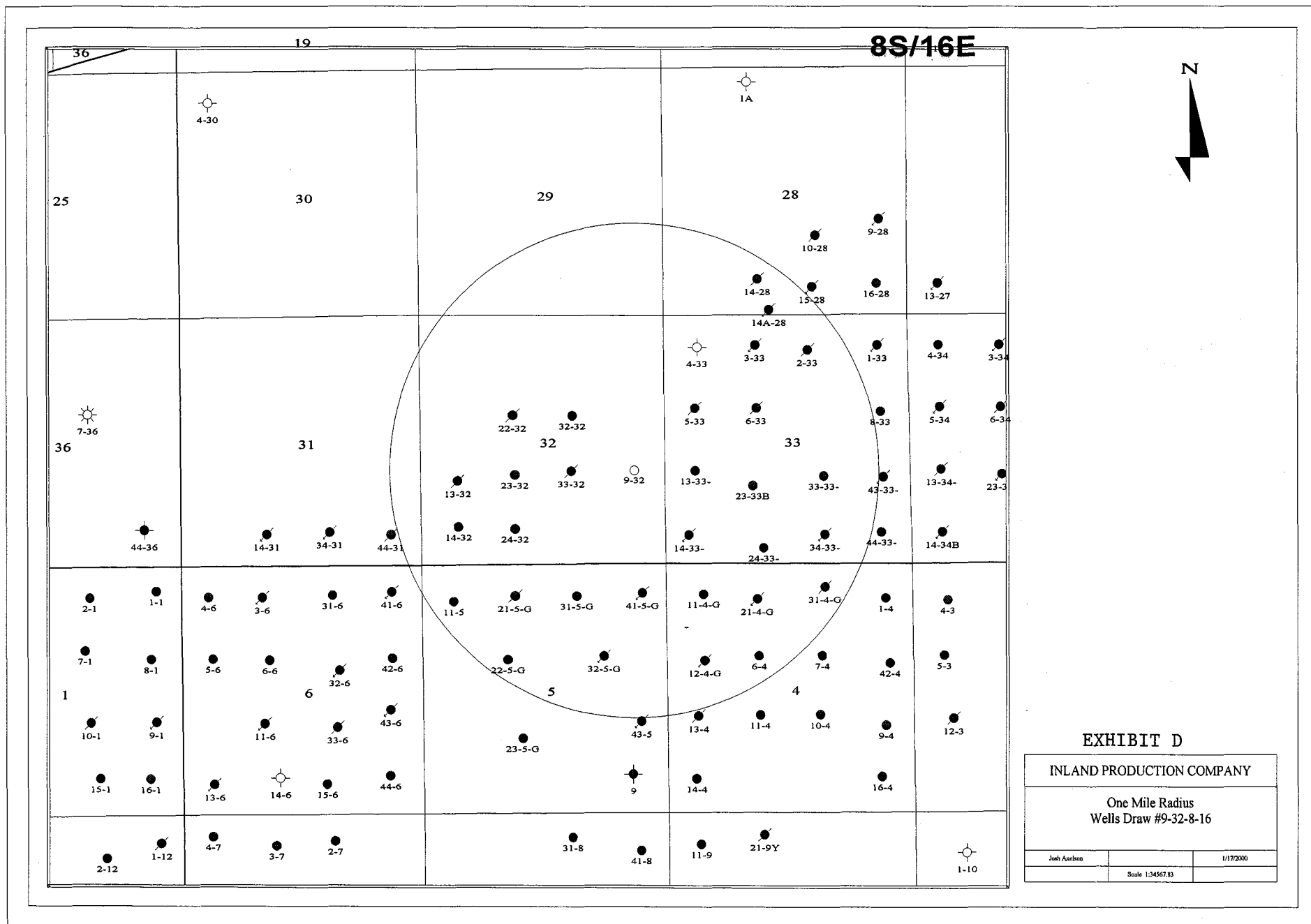
Drawn By: SS	Revision:
Scale: 1 : 100,000	File:
Date: 12-27-99	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	



WELLS DRAW #9-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.
TOPOGRAPHIC MAP "B"

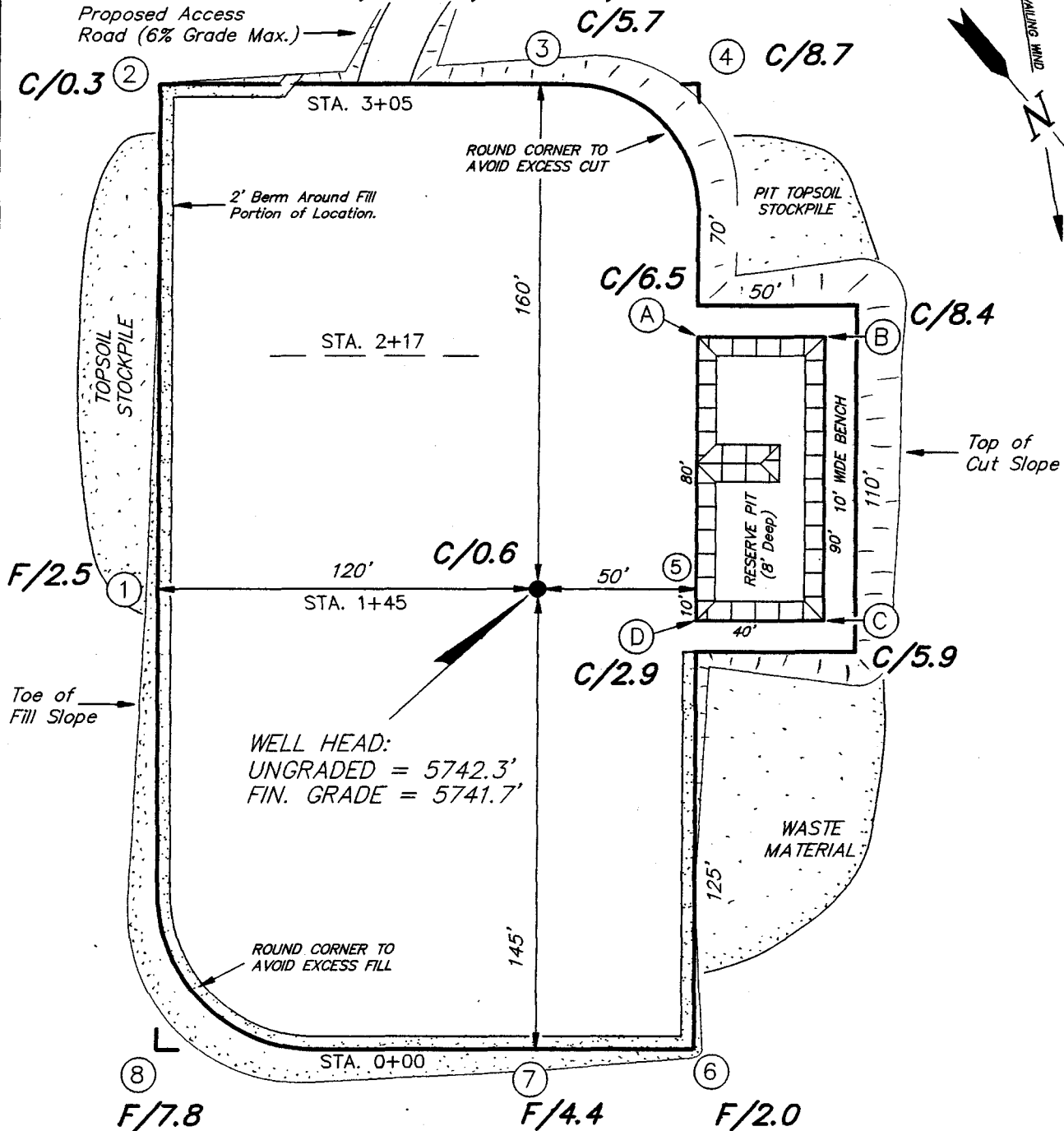


Drawn By: SS	Revision:
Scale: 1" = 1000'	File:
Date: 12-27-99	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	



INLAND PRODUCTION COMPANY

WELLS DRAW #9-32-8-16
SEC. 32, T8S, R16E, S.L.B.&M.



REFERENCE POINTS

170' SOUTHEAST = 5737.3'
 220' SOUTHEAST = 5734.9'
 195' SOUTHWEST = 5749.3'
 245' SOUTHWEST = 5749.8'

SURVEYED BY: D.S.

DRAWN BY: J.R.S.

DATE: 1-13-00

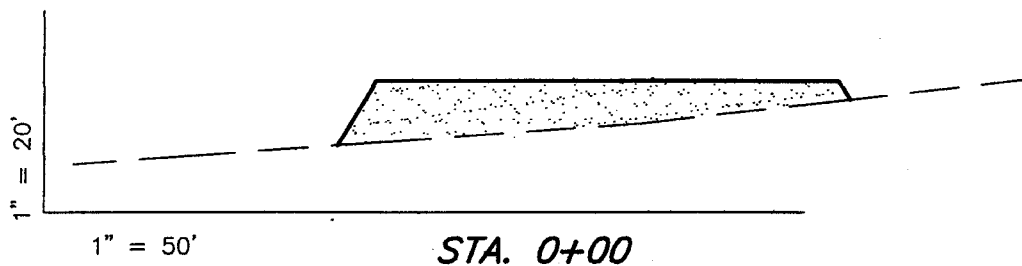
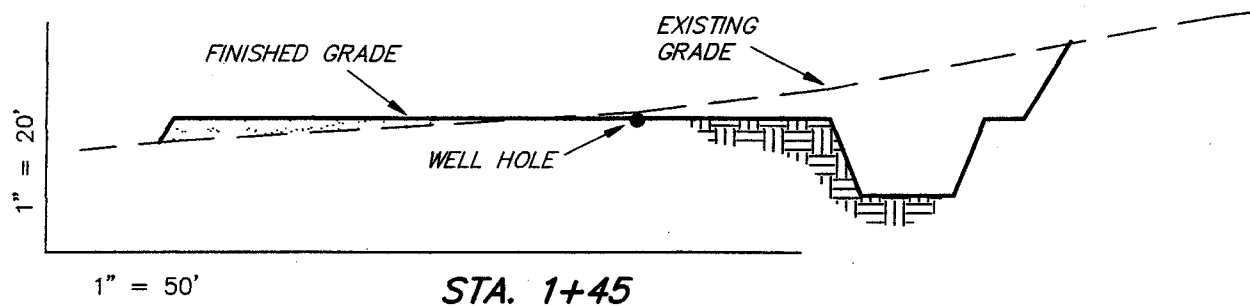
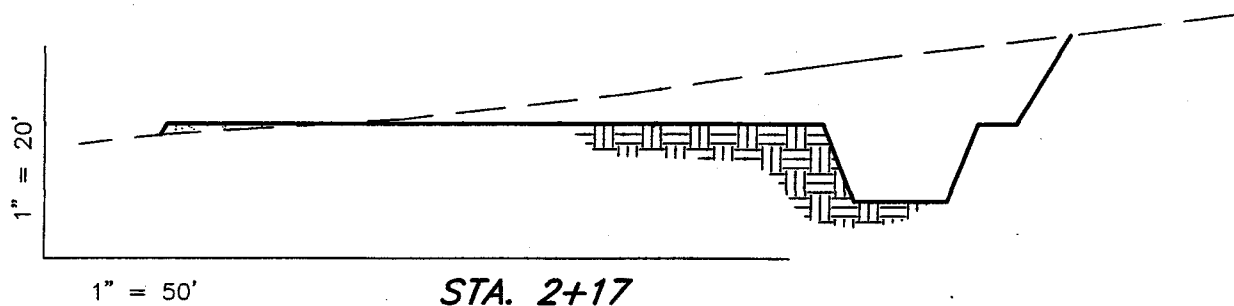
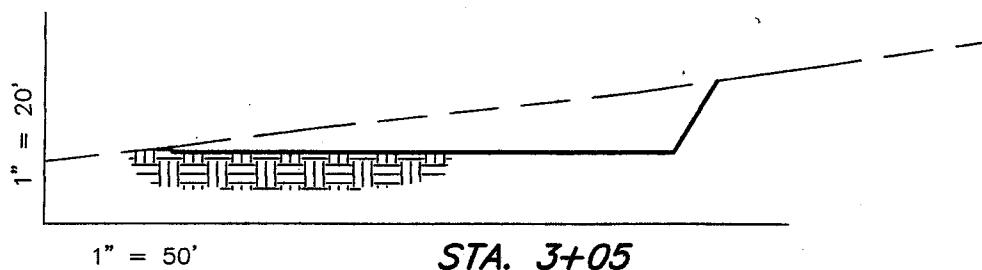
SCALE: 1" = 50'

REVISIONS:

Tri State
 Land Surveying, Inc.
 (435) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078

CROSS SECTIONS

WELLS DRAW #9-32-8-16



APPROXIMATE YARDAGES

CUT = 3,420 Cu. Yds.

FILL = 3,420 Cu. Yds.

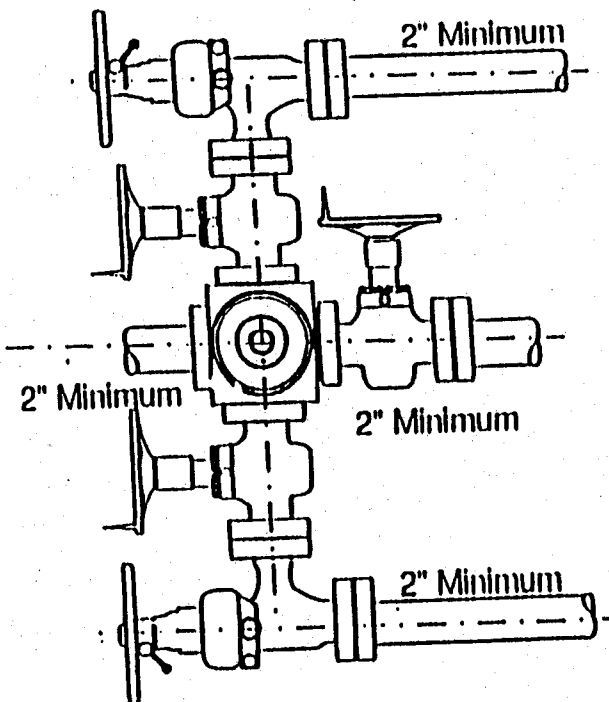
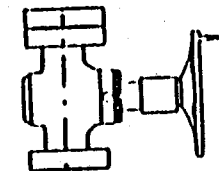
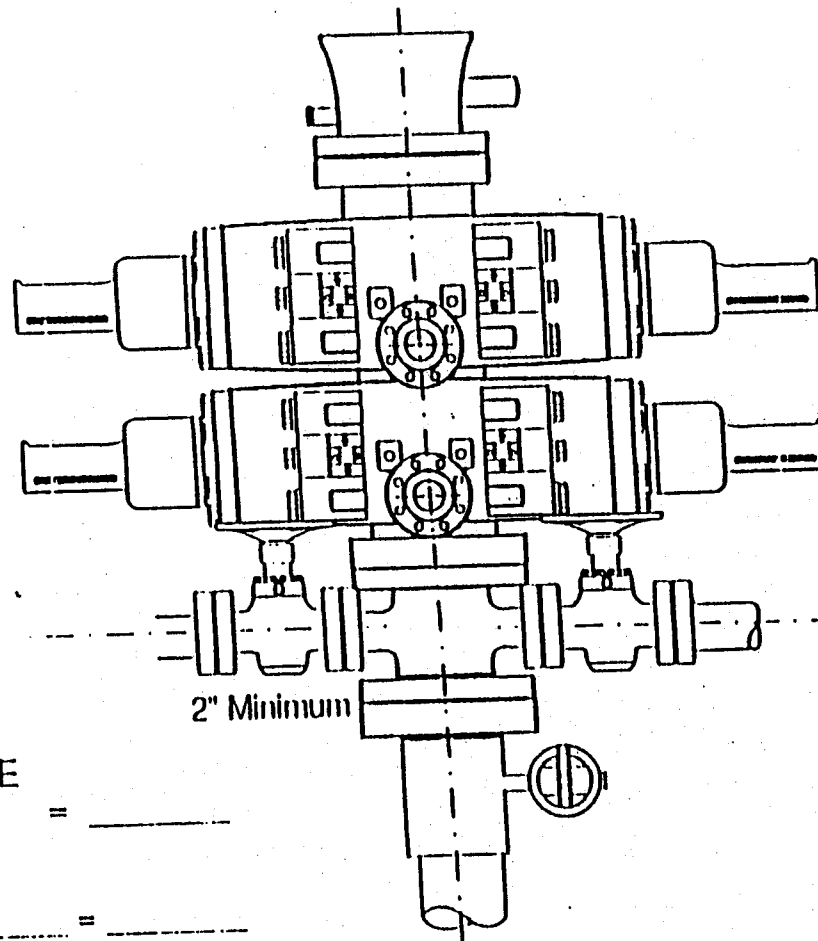
PIT = 920 Cu. Yds.

6" TOPSOIL = 1,060 Cu. Yds.

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Land Surveying, Inc.
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38 WEST 100 NORTH VERNAL, UTAH 84078

2-M SYSTEM

TYPE D.O.P.



AL TO CLOSE
annular BOP
ramtype BOP

= _____

____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
increment of 10 gal. would require
_____ Gal. (total fluid & nitro volume)

EXHIBIT F

RECEIVED

FEB 09 2000

**DIVISION OF
OIL, GAS AND MINING**

**CULTURAL RESOURCE INVENTORY OF
NINE WELL PADS AND IN-FILL
LOCATIONS IN THE ASHLEY, LONE TREE,
BLACK JACK, WELLS DRAW EXPANSION,
AND CASTLE DRAW UNITS
DUCHESNE AND Uintah COUNTIES, UTAH**

JBR Cultural Resource Report 99-26

by
Richard Crosland

prepared for
Inland Resources Inc.
Denver, Colorado

submitted by
JBR Environmental Consultants Inc.
Springville, UT

December 3, 1999

Federal BLM Permit No. 99UT55134
Utah State Project Authorization No. U-99-JB-0331bs

MANAGEMENT SUMMARY

Agencies: School and Institutional Trust Lands Administration, Bureau of Land Management, Vernal District and Utah State Historic Preservation Office.

Project Number: Utah State Project Authorization No. U-99-JB-0331bs

Project Description: The project consists of a cultural resource inventory of nine 40 acre well pads and an additional 75 acres of in-fill around existing wells. The well pads included in the survey consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack units. In-fill acreage is located in the Castle Draw and the Black Jack Unit. A total of 435 acres are included in the project, of which 250 acres are administered by SITLA and 185 acres by the Vernal District, Diamond Mountain Resource Area, BLM.

Location: Inventoried well pads in the Ashley Unit and Wells Draw Expansion are located approximately 11 miles southwest of Myton, Utah, in Duchesne County. Inventoried well pads and in-fill areas are in the Lone Tree, Castle Draw, and Black Jack units are located approximately 12 miles southeast of Myton, Utah, in Duchesne County .

Cultural Resources: The Class III inventory identified one previously recorded site, seven newly recorded sites, and five isolated artifacts. Seven of the sites are prehistoric in nature with one site having both prehistoric and historic components. During follow up work for the project, sites 42DC1249 and 42DC1250 were revisited and sites 42DC1287, 42DC1288, and 42DC1289 were recorded. Additional recording work at sites 42DC1249 and 42DC1250 took the form of detailed mapping of the sites, the placement of a series of test probes, and surface collection at 42DC1250. Three of the eight sites identified during the project are recommended as eligible for the NRHP with one being determined as unevaluated until future testing.

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1.0 INTRODUCTION

JBR Environmental Consultants, Inc. of Springville, Utah, completed a cultural resource inventory of nine well pad locations and an additional 75 acres of in-fill surrounding existing well pads. The well pad locations surveyed for the present project consist of 1-2 and 8-2 in the Ashley Unit; 9-32, 15-32, and 16-32 in the Wells Draw Expansion; 10-16 in the Lone Tree Unit; 1A-10, and 9-10 in the Castle Draw Unit; 15-10 in the Black Jack Unit. In-fill acreage is located in the Castle Draw and the Black Jack units.

The cultural resource inventory of the nine well pad locations and in-fill acreage encountered seven prehistoric sites, one prehistoric/historic site, and five isolated finds. The project inventory was originally conducted on June 24 and 25, 1999, by JBR personnel Richard Crosland, Jeffrey Rust, Steve Ice, and Tuula Rose. Points located on site 42DC1250 were later identified as likely Paleoindian points. This prompted more formal recording, mapping, and collection of site 42DC1250 and the re-recording of 42DC1249. Additional inventory, recording and testing work took place November 4th, 16th, 19th, and 30th 1999, by Scott Billat, Richard Crosland, Steve Ice, Beth Ann Camp, Danielle Diamond and Aaron Ferguson.

2.0 PROJECT LOCATION

The proposed project area is located on lands administered by the School and Institutional Trust Lands Administration (SITLA) and the Bureau of Land Management (BLM) Vernal District. Well pads located on State Lands include 1-2 and 8-2 (Ashley Unit); 9-32, 15-32, and 16-32 (Wells Draw Expansion); 10-16 (Lone Tree Unit) and in-fill location 14-2 (Castle Draw Unit) for a total of 250 acres. Well pads located on BLM lands include well pads 1A-10, 9-10, and 15-10 (Black Jack Unit) and in-fill locations in the Black Jack Unit for a total of 185 acres (Figure 1). The legal locations for the project acreage are listed in Table 1.

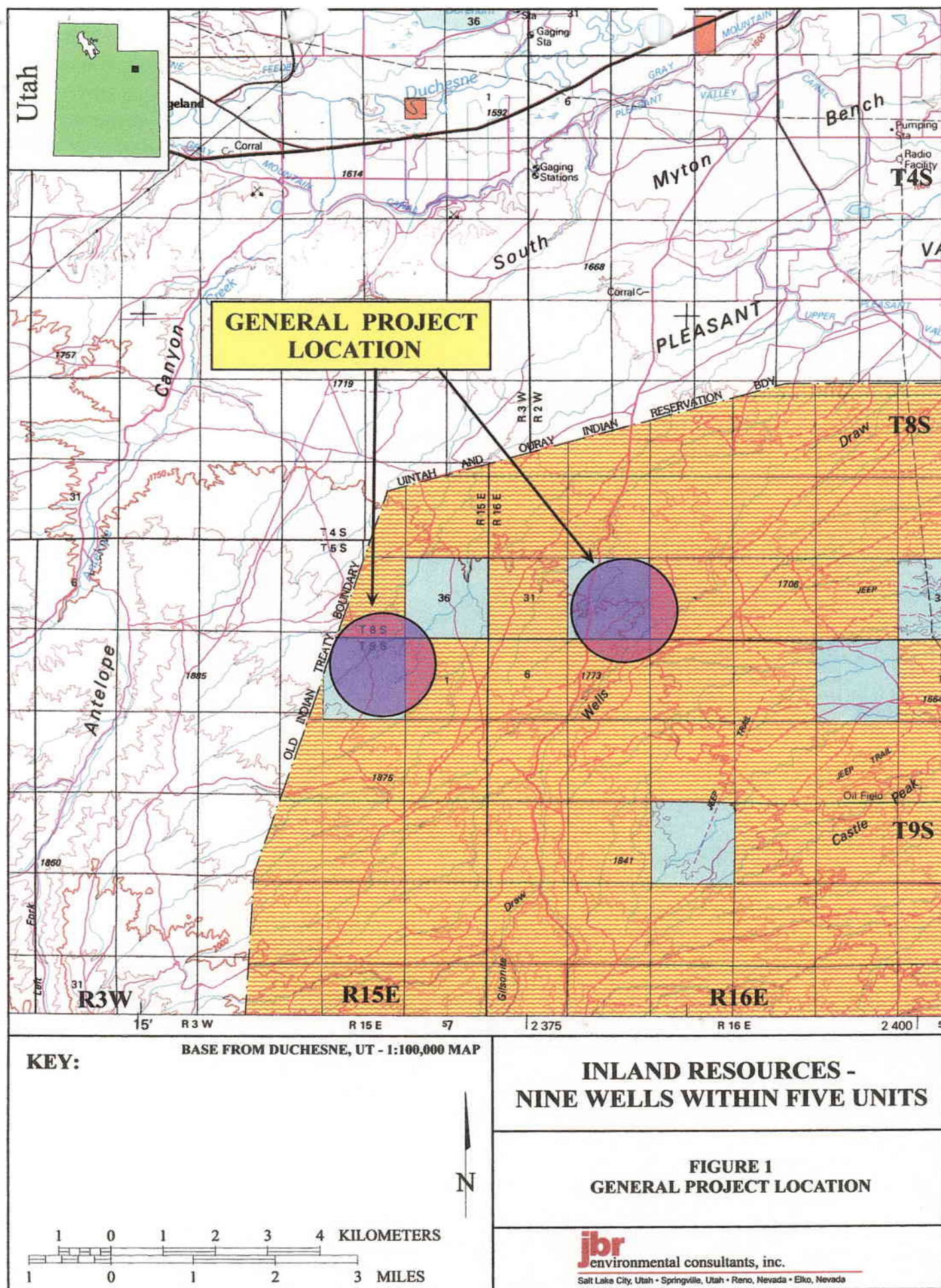


Table 1. Project Area Legal Locations

Well Locations	Township/Range Section	Legal Locations	Ownership	USGS Quad
1-2 and 8-2 Ashley Unit	T. 9S R.15E, Sec. 2	E½ NE¼	SITLA	Myton SW, UT
9-32, 15-32 and 16-32 Wells Draw Expansion	T. 8S R.16E, Sec. 32	E½ SE¼; SW¼ SE¼	SITLA	Myton SW, UT
10-16 Lone Tree Unit	T. 9S R.17E, Sec. 16	NW¼ SE¼	SITLA	Myton SE, UT
1A-10, 9-10 In-fill 1-10, 1 (Castle Draw Unit) 15-10, In- fill 3-N10 (Black Jack Unit)	T. 9S R.17E, Sec. 10	E½ E¼; SW¼ SE¼; S½ SE¼ SE¼; SW¼;	BLM	Pariette Draw SW, UT
In-fill 14-2 (Castle Draw Unit)	T. 9S R.17E, Sec. 2	SW¼ SW¼ SW¼	SITLA	Pariette Draw SW, UT

3.0 NATURE OF PROPOSED IMPACTS

Inland Resources proposes to develop nine well locations within the identified project area. Less than 10 acres per well pad will be impacted by Inland during drilling operations. The completion of 40 acre well tracts will give Inland an area to situate the final well placement and associated facilities during development. Also, access roads can be adjusted into the 40 acre well tracts. Many of these proposed wells will be accessed from existing well roads. The in-fill acreage will complete 40 acre pads which had only 10 acres previously completed, to allow development of access roads and other facilities.

4.0 ENVIRONMENTAL SETTING

The well pads in the Ashley Unit are located approximately two miles west of Wells Draw and two miles east of Antelope Canyon. The terrain consists of dissected tableland with a large intermittent drainage located along the north end. The three well pads located in the Wells Draw Expansion are found partially within the Wells Draw drainage system. The draw runs through the southeast portion of the area while the northern area of the well pads on tableland areas. The well pad in the Lone Tree Unit is located immediately south of the Pariette Bench. The remaining survey area in the Castle Draw Unit and the Black Jack Unit are located approximately one mile west of Big Wash

along Pariette Bench. A drainage which feeds in to Big Wash runs through the northern portion of the survey area. Aeolian sand deposits are located north of this drainage. The land slopes gradually to the south with one small butte feature located near the center of the survey area.

4.1 Geology

The area is characterized by low rolling tablelands dissected by deep draws and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are a fine light tan to medium brown silty sands. The surface sediments consist of an inter-fingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Sediments contain a moderate amount of Pleistocene gravels and some small areas of Eocene Green River Formation are visible in eroded areas. Aeolian sand deposits are also present in some areas.

4.2 Flora/Fauna

The project area is within the Upper Sonoran Life Zone. Vegetation within the project area includes four-wing saltbrush, winterfat, narrow leafed yucca, greasewood, and a variety of forbs and low grasses. Fauna noted in the project area includes antelope, jackrabbit, cottontail rabbit, and ground squirrel.

5.0 PREVIOUS RESEARCH

A Class I file search was conducted at the State Historic Preservation Office and at the Vernal District Bureau of Land Management on June 25, 1999. Over 150 cultural resource inventories have been completed in areas surrounding the current project blocks. The majority of these inventories have been associated with the gas and oil industry and include well pads, access roads, and pipeline projects. Over fifty cultural resource projects were located within or immediately adjacent to the current project blocks. A select listing of these projects is incorporated below in Table 2.

No historic GLO maps or historic indices are available for the area and could not be reviewed for existing historic properties.

Table 2. Previous Cultural Inventories Near the Current Project Areas

Report No.	Project	Date	Firm	Sites
013-92	Inventory of a well pad	1983	Grand River Consultants	None
013-160	Inventory of a well pad	1984	Grand River Consultants	None
013-177	Inventory of a pipeline	1984	Grand River Consultants	None
013-208	Inventory of a well pad and access road	1994	Senco-Phoenix	None
013-241	Inventory of three well pads	1984	Archaeological- Environmental Research Corp. (AERC)	1 site
013-232	Inventory of two well pads	1985	Sagebrush Archaeological Consult.	None
81-UT-181	Inventory of two well pads	1981	Utah Archaeological Research Corp. (UARC)	None
82-UT-358	Inventory of a well pad and access road	1982	Environmental Consultants	None
82-UT-373	Inventory of a well pad and access road	1982	UTARC	None
U86-AF-770s	Inventory of a well pad	1986	AERC	None
U89-SJ-097b	Inventory of 2 well pads	1989	Sagebrush	None
U93--SJ-720b	1,160 acre block survey	1994	Sagebrush	11 sites
UT-93-AF-725s	Inventory of well pad and road	1993	AERC	None
U94-SJ-448b	Inventory of three well pads	1994	Sagebrush	2 sites
U95-SJ-658b	Inventory of a well pad and access road	1995	Sagebrush	None
U95-AF-664b,s	Inventory of four well pads and access roads	1996	AERC	None
U95-AF-773b	Inventory of 13 well pads and access roads	1996	AERC	None
U95-CH-0776b	Inventory of eight power lines	1996	Complete Archaeological Service Assoc. (CASA)	2 Paleontological sites
U96-SJ-0075b	Inventory of a pipeline	1996	Sagebrush	None

Report No.	Project	Date	Firm	Sites
U98-AF-0164b,s	3,919 acre block survey	1998	AERC	28 sites
U98-SJ-0217b	1,320 acre block survey	1998	Sagebrush	3 sites
U98-JB-0659b	Inventory of three well pads	1998	JBR Environmental Consultants	8 sites
U-98-JB-0681b	50 acre well pad inventory	1998	JBR Environmental Consultants	1 site

The majority of the projects located near the current project encountered few if any cultural resource sites. Only eight sites were located within ¼ mile of the project areas and are listed below in Table 3. The sites include five lithic scatters, a lithic quarry, a prehistoric campsite, and an historic trash scatter. Only one of the sites (42DC795) was located within the current project area.

Table 3. Cultural Resource Sites within ¼ Mile of Current Project.

Site #	Site Type	Cultural Affiliation	Eligibility	Location
42DC586	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC587	Lithic Quarry	Unknown Aboriginal	Ineligible	Near Block 2
42DC782	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 2
42DC794	Historic Trash Scatter	Euro-American	Ineligible	Near Block 2
42DC795	Lithic Scatter	Unknown Aboriginal	Ineligible	Inside Block 2
42DC796	Prehistoric Campsite	Archaic	Eligible	Near Block 2
42DC942	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4
42DC1192	Lithic Scatter	Unknown Aboriginal	Ineligible	Near Block 4

6.0 CULTURE HISTORY

A number of overviews have been written for the region and adjacent regions including Jennings (1974, 1978, 1986), Aikens (1970), Madsen (1980), and Aikens and Madsen (1986).

6.1 Prehistoric Overview

Jennings (1986) and Aikens and Madsen (1986), proposed a chronology for the eastern Great Basin that divides the cultural sequence into three periods that are somewhat equivalent to the general Basin-wide chronological sequence: Bonneville period (11,000-9,500 B.P.), Wendover period (9,500-6,000 B.P.), and the Black Rock period (6,000-1,500 B.P.). Madsen (1982) also presents a model of the prehistory of the region that include the following: Paleoindian (12,000-9,000 B.P.), Archaic (8,500-1,600 B.P.), Formative Fremont (1,600-650 B.P.), and Numic (700 B.P.-present). Below is a brief summary and overview of these periods.

The Paleoindian period (12,000-9,000 B.P.) was first defined on the high plains east of the Rocky Mountains as a time of specialized hunting of large game animals such as mammoth, bison, horse, etc. (Jennings 1974). Tools associated with this culture include a series of diagnostic projectile points known as Clovis, Folsom, and Plano points. The Great Basin Stemmed points and crescents are considered by Hester (1973) to be diagnostic of the pre-Archaic Western Pluvial Lakes Tradition in the Great Basin as well, but few have been noted in Utah.

In Utah, significant Paleoindian sites were found in the Sevier Lake region, in the Escalante Desert, south of Green River, and in southeastern Utah. Clovis, Folsom, Dalton-Meserve, Plainview, and Great Basin Stemmed projectile points and crescents have been recovered from these areas (Davis 1986; Janetski and Holmer 1982). Folsom and Plano points and crescents from this period have been reported in Millard County, near the Beaver and Sevier river areas (Janetski and Holmer 1982), and near Delta (Simms and Lindsay 1984). To date, no Paleoindian sites have been formally reported in Uinta County, although at least two Folsom points have been recovered to the west in Duchesne County.

The Archaic period (8,500-1,600 B.P.) is well represented in Utah. The Archaic lifeway was highly adaptive, based on hunting and gathering subsistence practices. Archaic subsistence included a wide array of food sources. During the earlier stages of this period, Archaic people resided around pluvial

lake margins and riverine environments. Later, in response to the decline of these ecozones, populations shifted to upland areas to take advantage of available resources. Cultural remains from this period include items such as metates, baskets, bone implements and a variety of diagnostic projectile points. Common point types include Elko and Humboldt series, Pinto, Sudden Side-notched and Gypsum.

Evidence of the Archaic is exhibited by recorded surface sites and rockshelters throughout the region. Rockshelters and cave sites have been the primary means for defining what we know about the culture. Some of these shelters include Walters and Cowboy Caves with C-14 dates of ca. 6875 BC and ca. 6690 BC, which marks the earliest known occupation of the Colorado Plateau (Schroedl 1976). Schroedl (1976) has subdivided the Archaic period into four different phases based on diagnostic point styles to provide temporal control.

The earliest phase is known as the Black Knoll Phase (6350-4250 BC), and is marked by the presence of Elko Corner-notched points, and Pinto series points. An early Pinto variant has been found on the same site as Folsom points, and together, the styles from the Moab Complex (Hunt and Tanner 1960). The following phase is the Castle Valley Phase (4250-2550 BC). Point styles are more diversified during this period and include Rocker Base, Sudden and Hawken Side-notched points. During the later half of the period Humboldt points appear and become the dominate point style. The beginning of the Green River Phase (1550-1350 BC) coincides with the dichotomy in point styles between the western and eastern sections of the Plateau. The western variant includes San Rafael Side-notched and Gypsum points, while the eastern variant is predominated by Duncan Hanna Points. The final Archaic phase is the Dirty Devil Phase (1350 BC - AD 450) which exhibits a continuity from earlier phases with the Gypsum and Elko Series points. This phase is evidenced more from unfired clay objects, basketry, and sandals rather than point styles as the previous phases (Madsen and Berry 1975). Significant excavated sites in the Uinta Basin that contain Archaic cultural material include Hells Midden (Lister 1951), Thorne Cave (Day 1964), Deluge Shelter, and Swelter Shelter (Leach 1970).

The Fremont inhabited the region between 1600-650 B.P. (Jennings 1978). They were horticulturalists with varying dependencies on corn, beans and squash. The Fremont also hunted small and large game animals and utilized wild plant foods. They built semi-subterranean pit houses, surface jacal and masonry habitation units and coursed adobe granaries. The remains of the structures often appear as low lying mounds in valleys, and on alluvial fans and ridge tops. Diagnostic artifacts from this period include the Utah type metate, clay figurines and small to medium size corner-notched and side-notched projectile points. Ceramics consist mostly of

graywares, but also include some corrugated, incised, and black-on-white styles. The Turner-Look site exhibited semi-subterranean houses of dry laid masonry, cultivating corn and possibly squash. The diagnostic Uinta Gray ceramics at the site, place occupation at AD 1050 or later (Wormington 1955; Jennings 1978).

Numic speaking groups (Ute and Gosiute) appear to have replaced the Fremont after about 700 B.P., during the Late Prehistoric period. These groups relied on a hunter-gatherer lifestyle, similar to that of the Archaic. They lived in temporary brush wickiups and rockshelters (Steward 1938). These groups depended on a variety of wild plants, and employed seasonal movements; gathering resources produced in various ecological zones. Evidence of the Late Prehistoric period comes from surface sites, containing light artifact remains, and shallow rockshelter deposits. Diagnostic artifacts include non-painted brownware ceramics and the Desert Side-notched point.

6.2 History

The first European contact with Native Americans of the region was the 1776 Dominguez-Escalante expedition in Colorado, Utah and Arizona (Fowler 1986; Warner 1976). Detailed descriptions of the dress, weapons and manner of the groups they encountered were recorded. The Dominguez-Escalante expedition traversed the territory of the Utes, Western Shoshone, Southern Paiute and the Navajo. After the Dominguez-Escalante expedition, the Spanish continued to return to Utah to trade for horses, slaves and gold.

In 1805, the Lewis and Clark expedition encountered Northern Shoshone groups in the Snake River region and kept detailed records of their political organization, dress, territory and subsistence. Beginning in the 1820s, fur trappers from Canada, eastern U.S. and Taos entered Utah and began trapping beaver. By 1840, the beaver were gone. However, these mountain men, Jedediah Smith (1826-1829), Etienne Provost (1824-1825), Peter Skene Ogden (1825-1829) and William Ashley (1825-26) had managed to explore much of the state and had encountered numerous Native American peoples.

The first U.S. Government explorers arrived in Utah in the 1840s and recorded some encounters with Native Americans. These included Fremont in 1845, Stansbury in 1852, Simpson in 1876, and Gunnison-Beckwith in 1856. In 1847, the first Mormon settlers arrived in the Salt Lake Valley. From this point the pioneers were almost in constant contact with Native American cultures and people. A result of this continuing contact was armed conflict and four major battles or wars: The

Provo River Battles (1850), Walker War (1853), Gosiute War (1860-1863), and the Black Hawk War (1865-1867).

By the 1870s, Native American cultures were receiving attention as ethnographic resources. In 1876, John Wesley Powell documented the language, territory, culture, religion and social organization of the Shoshone and Southern Paiute. This body of material has been used to classify and reconstruct the ethnohistory of these cultures by other ethnographers; A.L. Kroeber (1907), Julian Steward (1938), Isabel Kelly (1964), Catherine and Don Fowler (1971), and others.

The settlement of Duchesne County is unique to the state in that it was not settled by Mormon pioneers, since early scouting parties had deemed the area unfit for settlers. The area was settled in 160 acre parcels under the Homestead Act. The Dry Gulch Irrigation Company was incorporated in 1905 by William H. Smart and Reuben S. Collett to help individual farmers obtain water rights from the state (Powell 1994). The county's economy is based primarily on the livestock industry, but rich oil and gas reserves are also present.

Myton is an historical community located to the north of the project area. The settlement was built at the only bridge crossing on the Duchesne River and had the early name of Bridge City. For many years the town functioned as a river crossing and trading post. The community received its present name from Major H. P. Myton who was assigned to the area in 1905 as the region was opened to settlers (Van Cott 1990).

7.0 ARCHAEOLOGICAL METHODS

A Class III inventory was completed for the project by four JBR cultural resource personnel, walking parallel transects at fifteen meter intervals. When cultural resources were encountered during the survey, they were recorded on IMACS site forms or Utah Isolated Find forms. Each site was plotted on a USGS topographic map, site sketches were drawn, tools or diagnostic artifacts were drawn, photographs taken, and 18-inch white PVC pipe datums with aluminum tag were placed on eligible sites. No datum was relocated at site 42DC795 and none was indicated on the original site sketch. JBR placed a PVC datum with a temporary number of IN9-1 on site 42DC795 as indicated on the updated site sketch. Isolated finds were also plotted on a USGS topographic map. During the detailed recording and mapping of sites 42DC1249, 42DC1250, and 42DC1289 a total station was

used for mapping. The entire surface assemblage from 42DC1250 was collected as mapping took place. All field notes are on file at JBR Environmental Consultants Inc., Springville, Utah.

7.1 Archaeological Expectations

Previous projects indicate that the potential for historic properties would be greatest near the Wells Draw Expansion and relatively low in the remaining project areas. Gas and oil exploration activities have occurred in the area for the past three decades but rarely date prior to 1950. Prehistoric site potential was expected to vary with the terrain. Terraces and edges of large drainages were expected to have a relatively high prehistoric site potential. Other areas of undulating open spaces were expected to have a relatively low site potential.

8.0 INVENTORY RESULTS

8.1 Cultural Resource Inventory

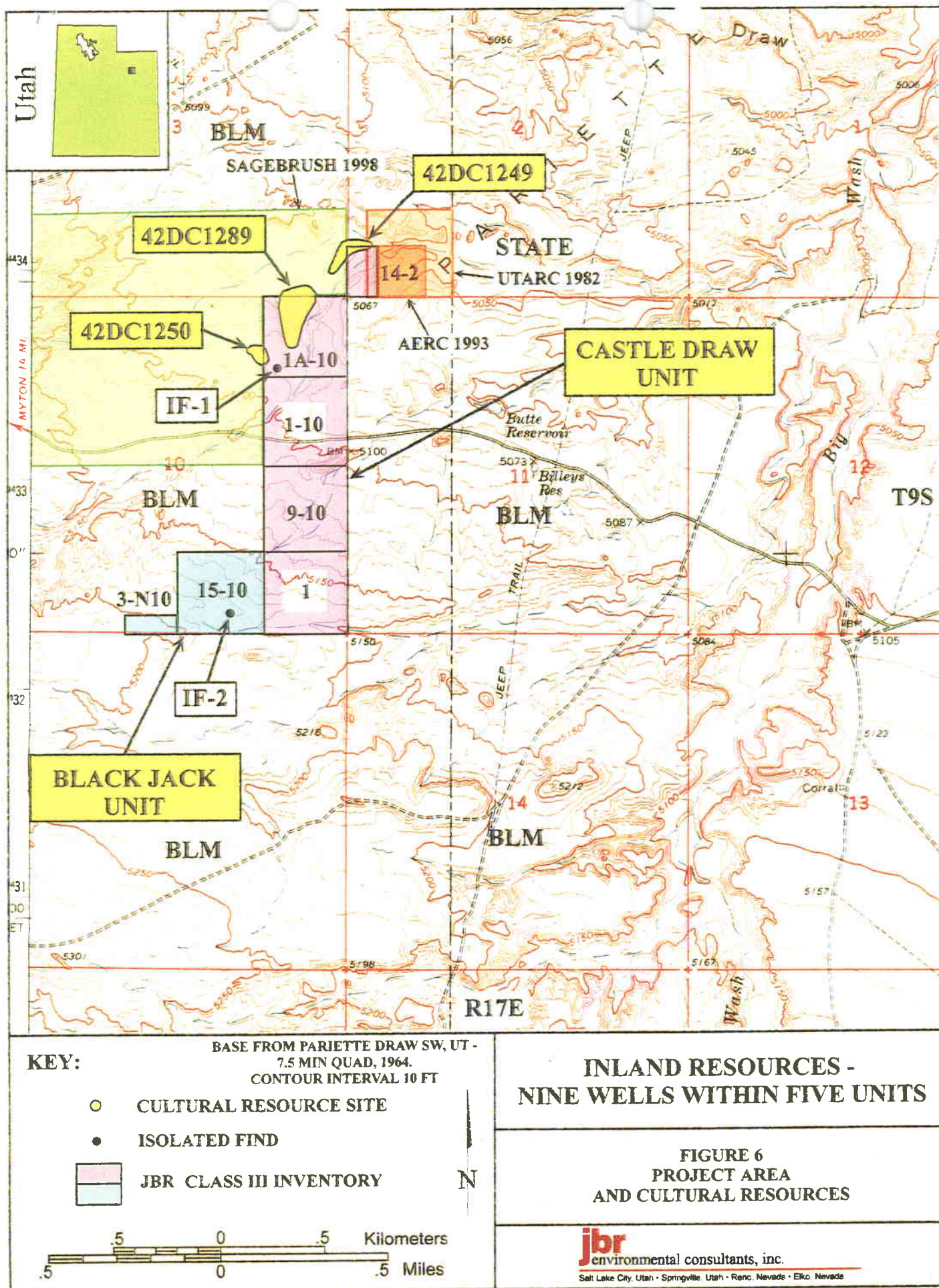
The class III inventory identified one previously recorded site, seven newly recorded sites, and five isolated finds. The cultural resource sites consist of three prehistoric campsites, four lithic scatters, and one lithic scatter/historic debris scatter. A summary of the cultural resource sites can be found in Table 4 and a description of each of the eight encountered sites is included in the following pages. The isolated finds are summarized in Table 5. Site locations are shown on Figures 4 and 6. During the revisitation of site 42DC1250, it was found to be primarily outside of the project block (Well 1A-10) and within the adjacent well/project block completed in 1998 by Sagebrush Consultants (Polk and Diamond 1998). Further, the majority of site 42DC1249 was also found to be mostly outside of the project block (Well 14-2) and located in an adjoining area previously inventoried. These adjacent and overlapping areas were inventoried by Sagebrush Consultants (Polk and Diamond 1998), UTARC (Cook 1982), and AERC (Hauck and Hadden 1993). Portions of site 42DC1289 are also located in previously inventoried areas (Polk and Diamond 1998).

Table 4. Summary of Cultural Resource Sites.

Site Number	Ownership	Site Type	Cultural Affiliation	Evaluation
42DC795	SITLA	Lithic Scatter	Unknown Aboriginal	Ineligible
42DC1247	SITLA	Campsite	Unknown Aboriginal	Eligible
42DC1248	SITLA	Campsite	Unknown Aboriginal	Ineligible
42DC1249	SITLA/BLM	Campsite	Unknown Aboriginal	Eligible
42DC1250	BLM	Lithic Scatter	Unknown Aboriginal	Eligible
42DC1287	SITLA	Lithic Scatter Historic Debris	Unknown Aboriginal Euro/American	Ineligible
42DC1288	SITLA	Lithic Scatter	Unknown Aboriginal	Ineligible
42DC1289	BLM	Lithic Scatter	Unknown Aboriginal	Unevaluated

Table 5. Summary of Isolated Finds.

Number	Description	Location
IF-1	Cream chert secondary flake	586460 mE 4433550 mN T9S R17E Section 10 SW¼ SW¼ NE¼ NE¼
IF-2	Simonis Type #13 can	586260 mE 4432370 mN T9S R17E Section 10 SW¼ SE¼ SW¼ SE¼
IF-3	Oolitic chert primary flake	573860 mE 4436140 mN T8S R16E Section 32 SE¼ NE¼ NE¼ SW¼
IF-4	Green/tan primary flake	573780 mE 4435660 mN T8S R16E Section 32 NW¼ NE¼ SE¼ SE¼
IF-5	Red chert scraper	573820 mE 4435620 mN T8S R16E Section 32 SE¼ SE¼ NE¼ SW¼
IF-6	Hole-in-cap can	573170 mE 4435750 mN T8S R16E Section 32 NW¼ NW¼ SE¼ SE¼
IF-7	Hand soldered can	573170 mE 4435420 mN T8S R16E Section 32 SW¼ SW¼ SW¼ SE¼



8.2 Site Summaries

Site Number: 42DC795

Temp Number: IN9-1

Figure Numbers: 4 and 7

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a north-south trending finger ridge south of Wells Draw.

Description: The site was originally recorded by Sagebrush in 1993. It is a lithic scatter located on a north-south trending finger to the south of Wells Draw. During the current revisit, the site appears the same as when originally recorded but extends over a larger area, 60 by 45 meters in size. It contains 40-50 flakes, two scrapers, a biface, a drill, and a core. Lithic debitage is 75% secondary flakes, 20% primary flakes, 4% tertiary flakes, and 1% shatter. Lithic material includes gray/brown chert, white chert, tan chert, and brown chert. Maximum density of flakes is five per square meter. No diagnostic tools, features, or fire-cracked rock were found. An area of dense lithics is present in the south end of the site next to an arroyo. No cultural depth was found in the more eroded areas of the site. Soils are semi-compact sands with small pebbles.

National Register Assessment: The site is a moderate size lithic scatter with four non-diagnostic tools. An erosional channel, next to the lithic concentration, was inspected for evidence of cultural deposition with negative results. It is unlikely that the site can provide further substantive data regarding lithic technology, site spatial patterning, chronology, or settlement patterns. The site does not meet any of the NRHP criteria and is recommended as **ineligible** for the NRHP.

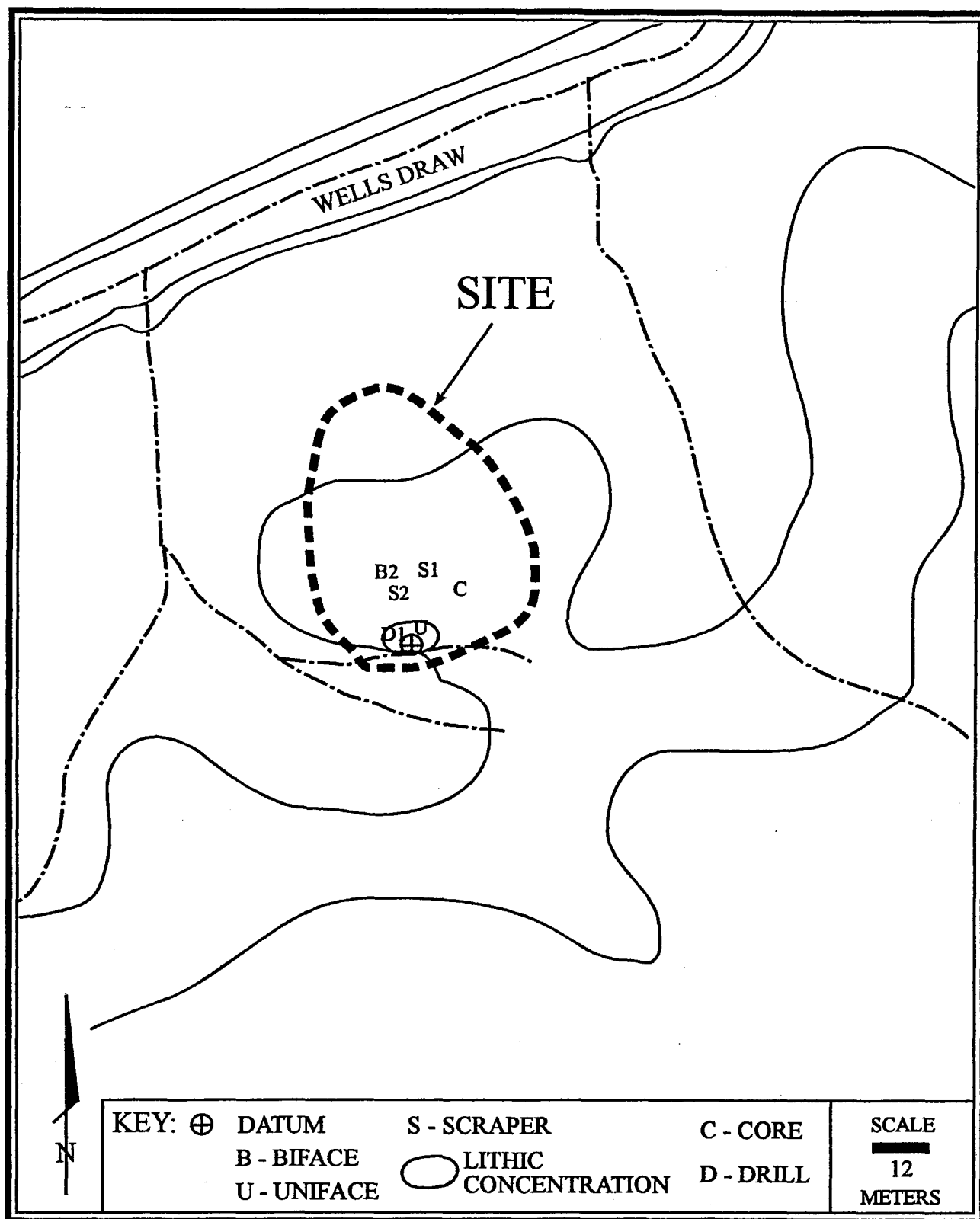


Figure 7. Plan map of site 42DC795.

Site Number: 42DC1247

Temp Number: IN9-2

Figure Numbers: 4 and 8

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a small finger between a drainage and Wells Draw in an area of undulating tableland.

Description: The site is a campsite located on a low finger between a drainage and Wells Draw. It is 30 by 18 meters in size and contains 40-50 flakes and 30-50 FCR fragments. Lithic debitage is mostly secondary flakes with a few primary flakes and shatter also noted. Most of the FCR and flakes are concentrated within a 16 by 8 meter area (Area 1). Lithic materials are primarily cherts but a few pieces of sandstone have also been flaked. Tools include four chert bifaces and a rhyolite chopper. No diagnostic tools, features, or ceramic were noted. There is some potential for subsurface deposits as flakes and FCR were noted partially buried. Soils are fine tan silts with numerous angular and sandstone gravels.

National Register Assessment: The site is a small campsite with one main concentration of artifacts. Several tools were found on site. The site may have cultural deposition as flakes and FCR were found partially buried. The site has the potential to provide substantive data regarding site spatial patterning, lithic technology, and settlement patterns. The site meets criterion D of the NRHP and is therefore recommended **eligible**.

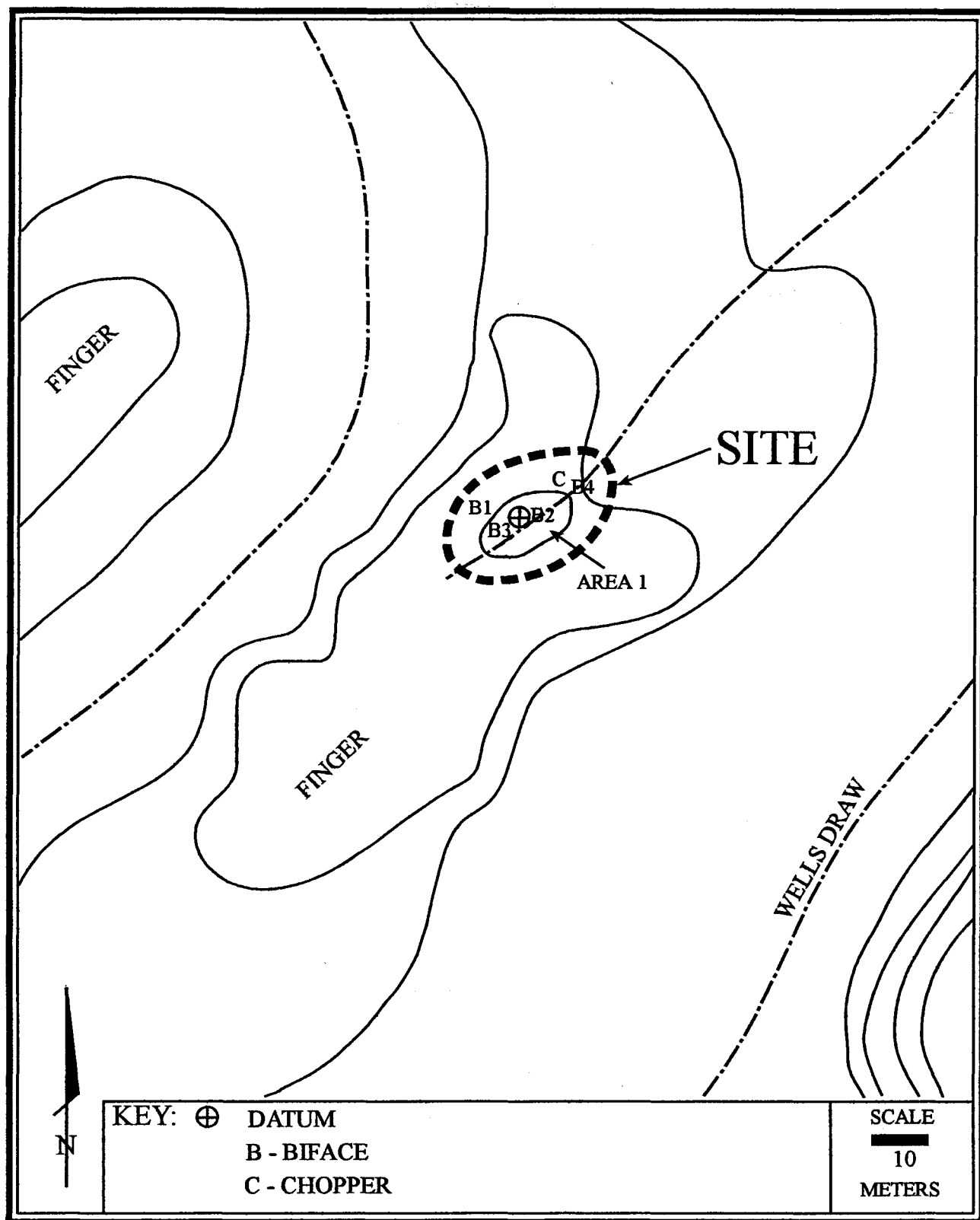


Figure 8. Plan map of site 42DC1247.

Site Number: 42DC1248

Temp Number: IN9-3

Figure Numbers: 4 and 9

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a small bench within Wells Draw.

Description: The site consists of a small campsite located on a small bench within Wells Draw. The site measures 40 by 15 meters and consists of 20-25 flakes and two pieces of FCR. Lithic materials are primarily cherts. Debitage consists of primary and secondary flakes. Two bifaces and a scraper were the only tools noted. No features, debitage concentrations, or diagnostic tools were found. Maximum density of flakes is two per square meter. Soils are tan silts with few sandstone and limestone gravels. No indications of cultural depth was evident in nearby arroyos.

National Register Assessment: The site is a small campsite with few flakes and only two pieces of FCR. Although three tools were noted, none are diagnostic. Eroded areas of the site boundary were inspected for subsurface cultural remains with negative results. There does not appear to be any potential for substantial cultural deposition on eroded ridge. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site does not meet any of the NRHP criteria and is therefore recommended as **ineligible** for the NRHP.

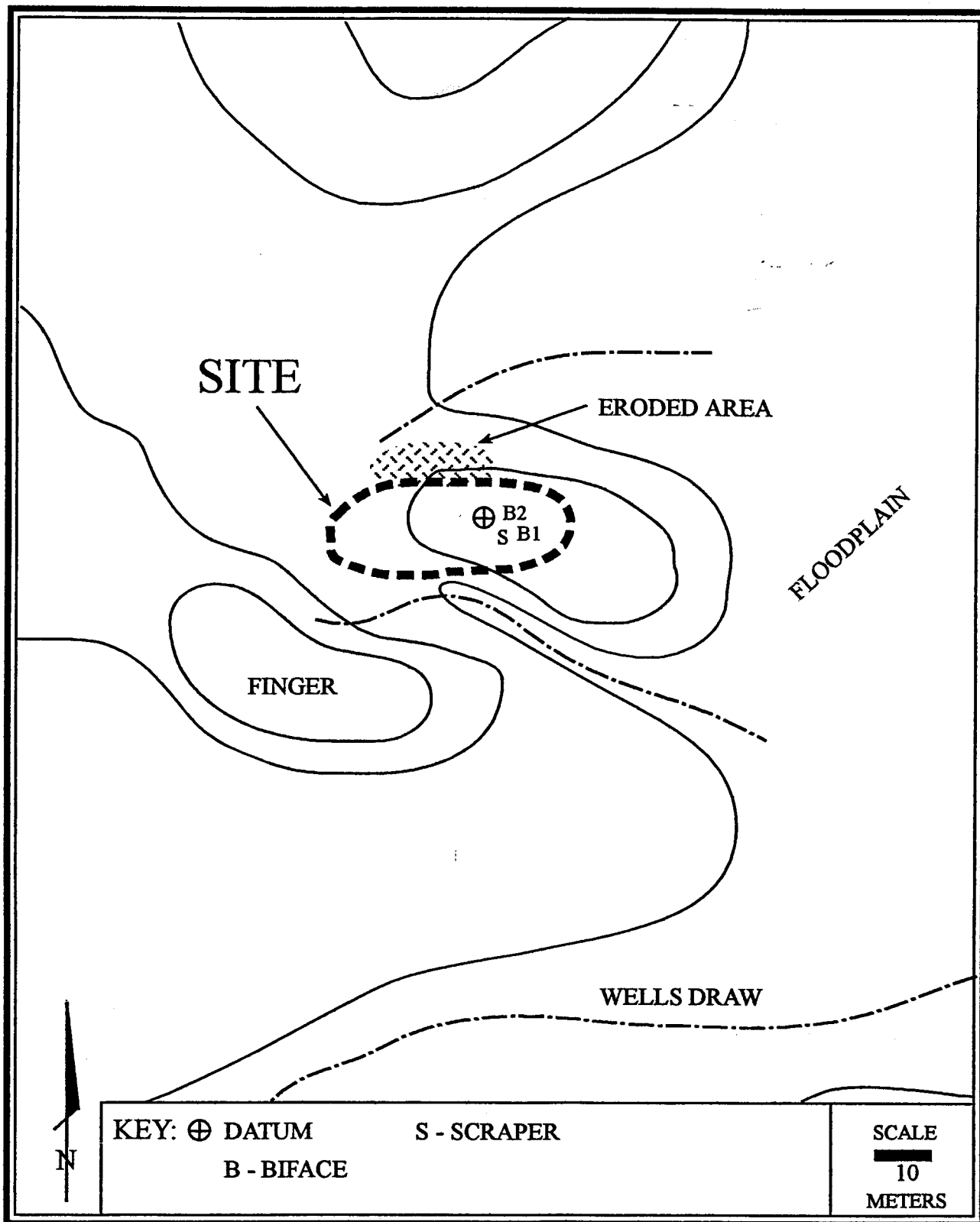


Figure 9. Plan map of site 42DC1248.

Site Number: 42DC1249
Temp Number: IN9-4
Figure Numbers: 6 and 10

Site Type: Campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on a dune area and desert pavement.

Description: The site is a prehistoric campsite that extends over a 220 by 90 meter area. Tools located on site include a biface of white chert, a white chert biface fragment, and a tan oolitic chert biface fragment. Lithic debitage on site consisted of 10 -15 secondary flakes located in the main flake area. This area of the site is located on desert pavement like surfaces. Other scattered debitage consisted of 19 primary flakes of chert, quartzite and oolitic materials; 3 secondary flakes of the same materials; and 1 gray chert core. Also noted in the northeastern portion of the site is a slab lined hearth feature (Feature 1) about 50cm in size. Displaced slabs are found within a two meter area and consists of approximately 19 small sandstone slabs. No cultural material, ash, or fire-cracked rock was noted in or around the feature. In addition, two other surface manifestations of sandstone pieces are situated on the dune. One of these is comprised of two pieces that are roughly 25cm in size and three pieces approximately 8cm in size. The flake density at the site is two flakes per square meter. No debitage concentrations, or definite fire-cracked rock were found. Soils on site consist of loose sand and semi-compact tan sands in the south and west portions of the site, with desert pavement along the north edge. Two subsurface probes were placed in the areas on top of the dune to identify the presence of cultural stratigraphy or depth within the dune deposit. No cultural depth was found in either of the test probes. Animal burrows were also inspected for cultural material as well as 12-15 anthills that are located throughout the site. No cultural material was located at the burrows or anthills.

National Register Assessment: The site is campsite containing a single slab lined feature, three bifacial tools, and approximately 40 of pieces lithic debitage. The site is largely located on aeolian sand deposits which may contain some isolated materials or features. Two test probes conducted on site suggests no general cultural stratigraphy. Further, the slab lined feature is partially intact and may contain additional data pertaining to chronology or use of the site, lending information to the reconstruction of the cultural history of the region. The site meets the requirements to fulfill Criterion D of the NRHP and is therefore recommended as **eligible**.

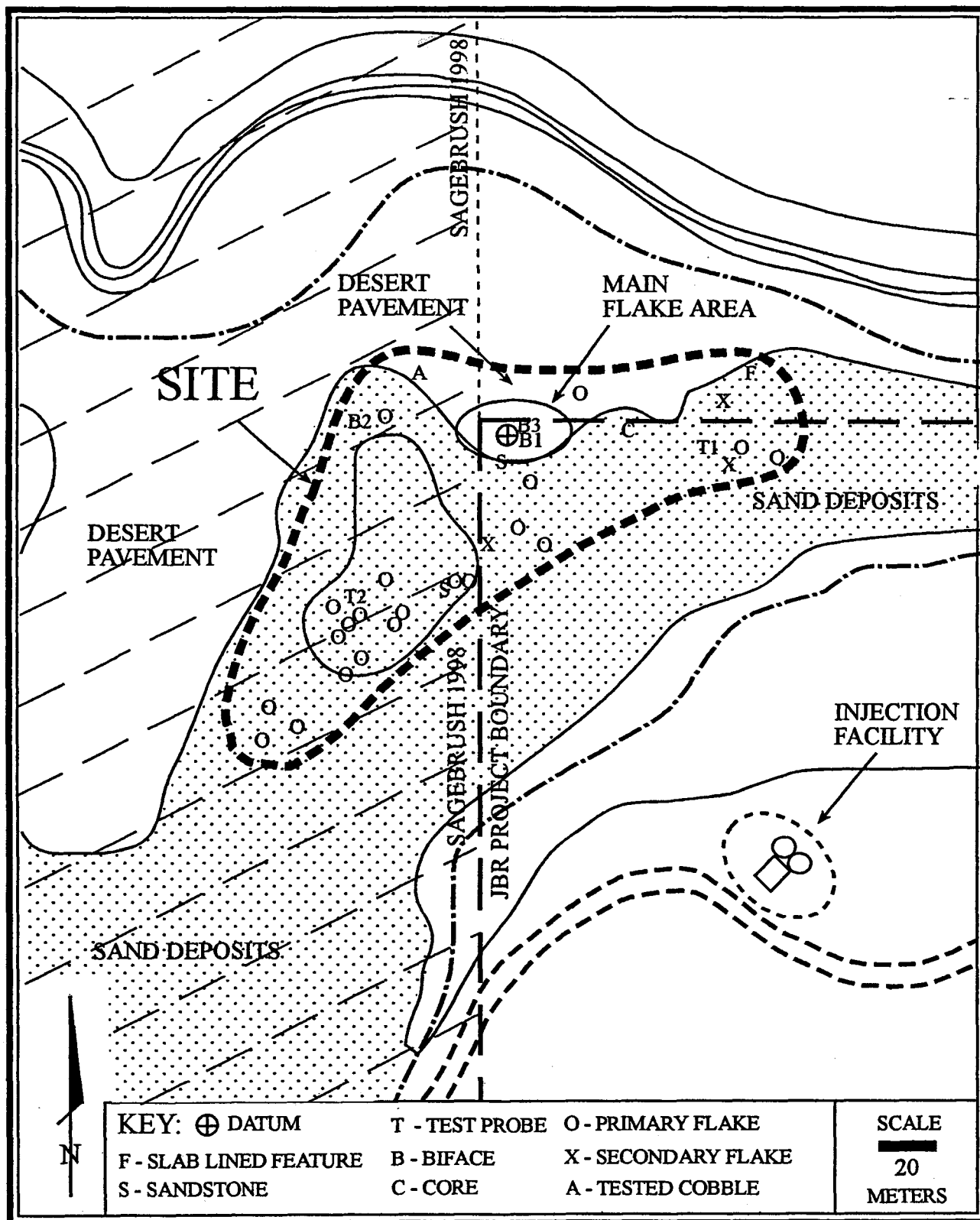


Figure 10. Plan map of site 42DC1249.

Site Number: 42DC1250

Temp Number: IN9-5

Figure Numbers: 6 and 12

Site Type: Lithic Scatter

Cultural Affiliation: Possible Paleoindian

Setting: The site is located on desert pavement between dunes.

Description: The site is a lithic scatter extending over an 80 by 70 meter area on desert pavement.. Cultural material on the site consisted of four projectile points, 22 primary flakes, and 6 secondary flakes (Table 6). Lithic material includes white, tan, brown and gray chert and tan oolitic chert. All artifacts on site were collected for curation. The maximum density of flakes is two per square meter. No debitage concentrations, features, or fire-cracked rock were found. Generally the site debitage is very sparse and no artifact patterning observed. The site is essentially located on desert pavement between dunes.

The tools identified are described as follows: Specimen #10 (Figures 11, 12, 13) appears to be a Paleoindian style point and measures 4.5 x 1.4 x .55 and made of brown chert. The point is morphologically similar to an Angostura point recovered from a Foothill-Mountain site (Frison 1991), albeit smaller in size. Specimen #10 does exhibit oblique flaking scars. However, Frison (1991:78-79) offers some words of caution in assuming lanceolate shape and parallel-oblique flaking are characteristic of Paleoindian alone. "Late Shoshonean knappers were executing this flaking pattern on tools that ... could easily be considered as Late Paleoindian." He goes on to say that "certain sites of Late Prehistoric and Early Historic age in the Snake River Valley...have produced the Wahmuza lanceolate point (Holmer 1986) that has the appearance of a late Paleoindian projectile point with parallel-oblique flaking (Frison 1991:79)." Specimen #3 (Figures 11, 12) maybe similar to points reported as belonging to the Paleo Foothills-Mountain subsistence strategy. The distal portion of the point is missing with the remaining medial and proximal portion of the point measuring 3.3 x 1.7 x .6 cm and made of gray chert. Further, both specimen 3 and 10 are similar to a few select Humboldt Concave Base points identified at Hogup Cave (Aikens 1970). Specimen #1 (Figure 11) measures 8.4 x 3.3 x 1 cm and is made of brown/tan chert. This is point is a large side-notch point, possibly a Northern Side-notch. Specimen #21 (Figure 11) is an incomplete point missing the distal portion. The point appears to be a possible Elko Series point, possibly an Elko Eared point.

Point identification in the Uinta Basin can be problematic at best due to its location between two differing but appointed point typologies. The Western Plains and Great Basin typologies offer

similar but different characteristics when applying points from a region without an established early point typology.

Three test probes were placed in different dune remnants on site. No general cultural stratigraphy was found in any of the test probes. An inspection of the 6-10 anthills on site was also negative.

National Register Assessment: The site is a small lithic scatter consisting of 27 flakes and four projectile points. Two of the projectile points have been identified as a Paleo style points. While the site consists of wide scatter of flakes, the presence of a Paleo-style points adds significantly to the importance of the site due to the paucity of known Paleo-sites. The site therefore is recommended as **eligible** for NRHP inclusion.

Table 6. Site 42DC1250 Surface artifact assemblage.

Specimen No.	Artifact	Specimen No.	Artifact
1	Side-notched Point - tan chert	18	Crude biface - gray chert
2	Primary flake - tan chert	19	Secondary flake - white chert
3	Lanceolate point - gray chert	20	Secondary flake - tan chert
4	Primary flake - gray chert	21	Elko Series - brown chert
5	Secondary flake - tan chert	22	Primary flake - brown chert
6	Secondary flake - tan chert	23	Primary flake - tan chert
7	Primary flake - gray chert	24	Primary flake - gray chert
8	Primary flake - tan chert	25	Primary flake - gray chert
9	Primary flake - tan chert	26	Primary flake - gray chert
10	Possible Angostura Point	27	Primary flake - gray chert
11	Secondary flake - tan chert	28	Primary flake - gray chert
12	Primary flake - tan chert	29	Primary flake - tan chert
13	Primary flake - gray chert	30	Primary flake - gray chert
14	Primary flake - tan chert	31	Primary flake - tan chert
15	Primary flake - gray chert	32	Primary flake - tan oolitic
16	Secondary flake - tan chert	33	Primary flake - tan chert
17	Primary flake - white chert		

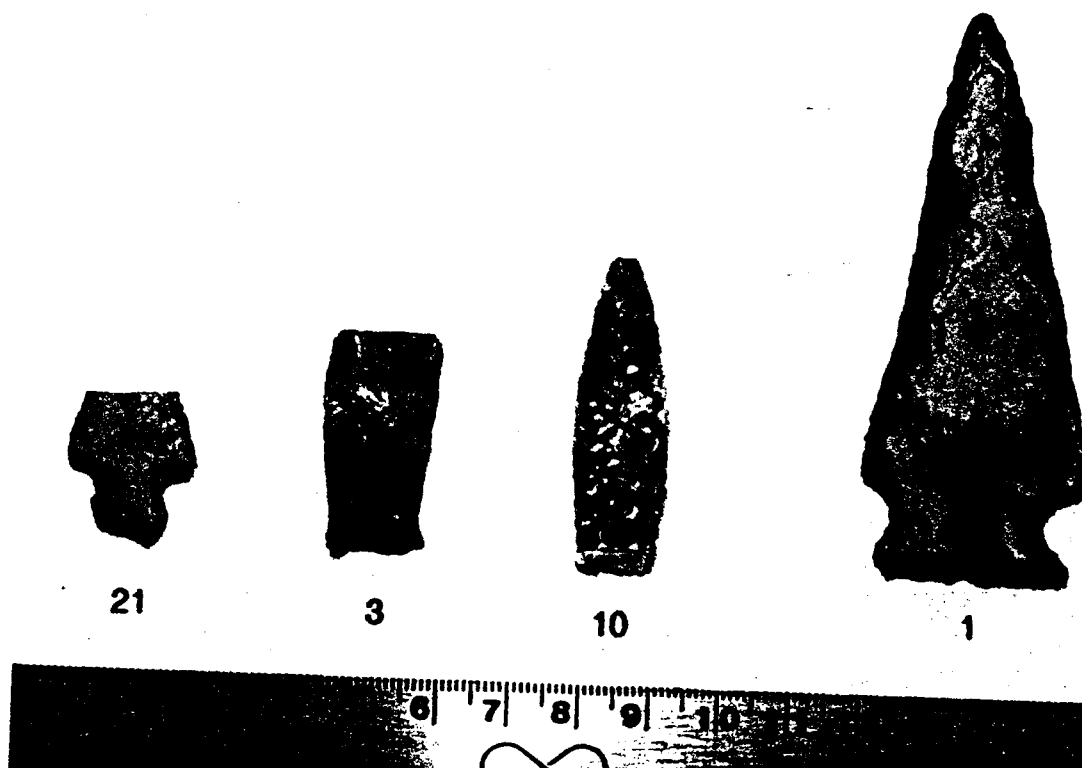


Figure 11. Specimens 21, 3, 10 and 1.

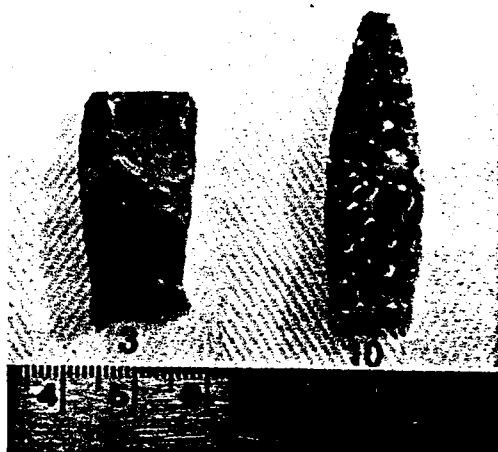


Figure 12. Specimens 3 and 10.

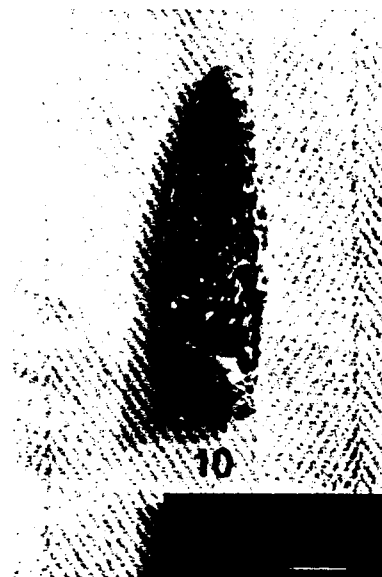


Figure 13. Specimen 10.

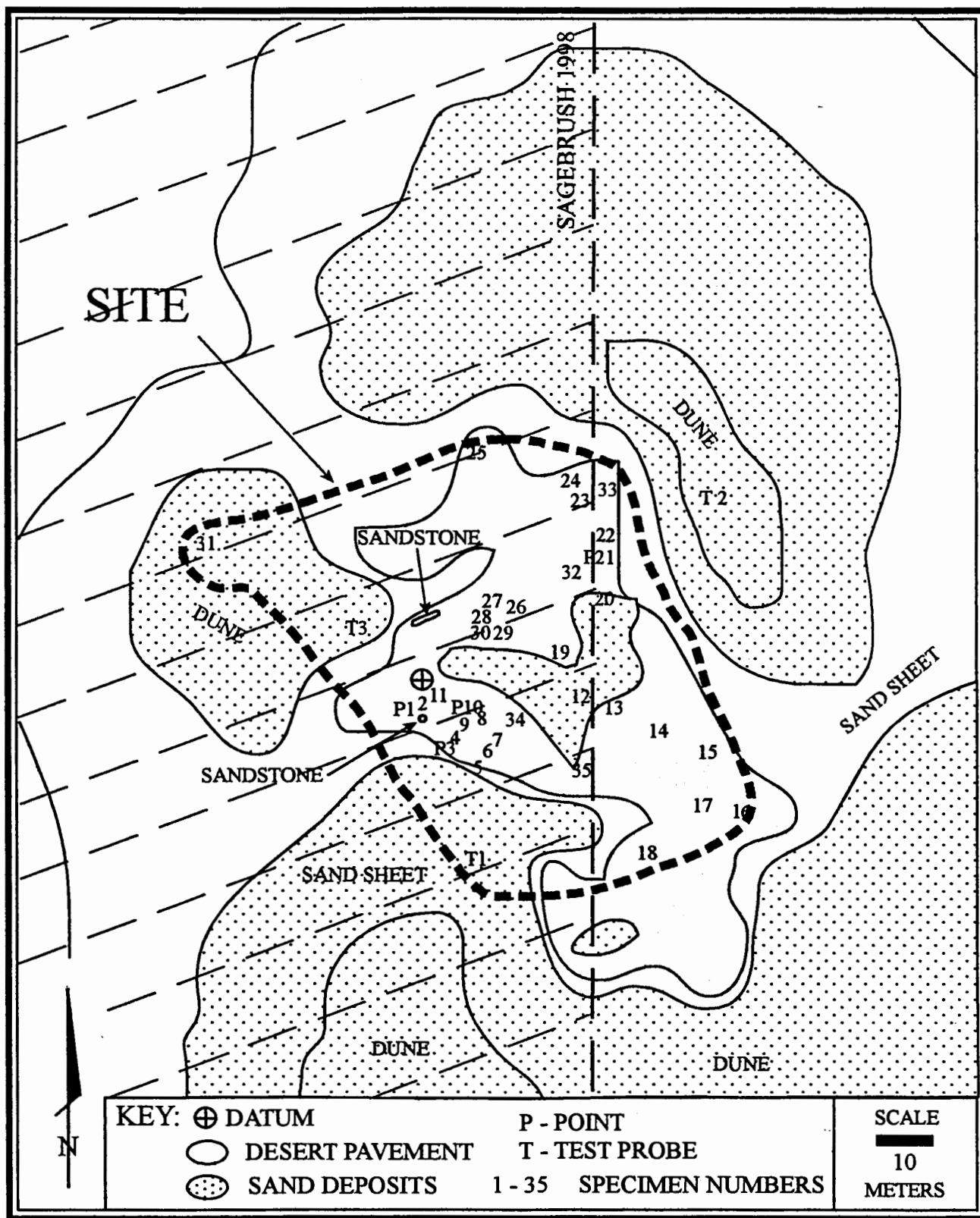


Figure 14. Plan map of site 42DC1250.

Site Number: 42DC1287

Temp Number: 9-32-1

Figure Numbers: 4 and 15

Site Type: Lithic Scatter/Can scatter

Cultural Affiliation: Unknown Aboriginal/Euro-Am

Setting: The site is located just off a small finger ridge on a bench.

Description: The site is a sparse lithic scatter and can scatter that extends over a 54 by 36 meter area. Artifacts on site are comprised of two secondary flakes, one primary flake, one core, three bifaces and a scraper. No diagnostics, debitage concentrations, or features were observed. The historic component is comprised of one "Punch Here" condensed milk can, two tobacco tins, one log cabin syrup can, and one olive oil can. The artifacts were probably dumped from the adjacent dirt road and have been secondarily deposited by alluvial forces. Soils are very rock with some outcrops. potential for subsurface deposits is extremely low. The site is impacted by erosion.

National Register Assessment: The site is an extremely sparse lithic and tool scatter with an historic component represented by several tin cans. The prehistoric tool assemblage is comprised of three bifaces and a scraper. No diagnostics, features, or debris concentrations are associated with the prehistoric component. Soils are very rock and some sandstone outcrops are present. There is an unlikely potential that these soils contain cultural deposits at depth. Given the nature of the site, the sparsity of the lithic debitage, lack of diagnostic tools, concentrations, and features, as well as the lack of potential for subsurface cultural deposits, it does not have the capacity to lend additional information regarding the cultural history of the region.

The site does not meet the requirements of Criteria D of the NRHP and is therefore recommended as **ineligible** for the National Register. The historic component of the site consists of seven cans a wire. No features or structures are associated with the debris. The artifacts date generally between 1935-1945, indicated by a single "Punch Here" milk can (Simonis Type #17). It does not meet any of the NRHP criteria and is recommended **ineligible** for the NRHP.

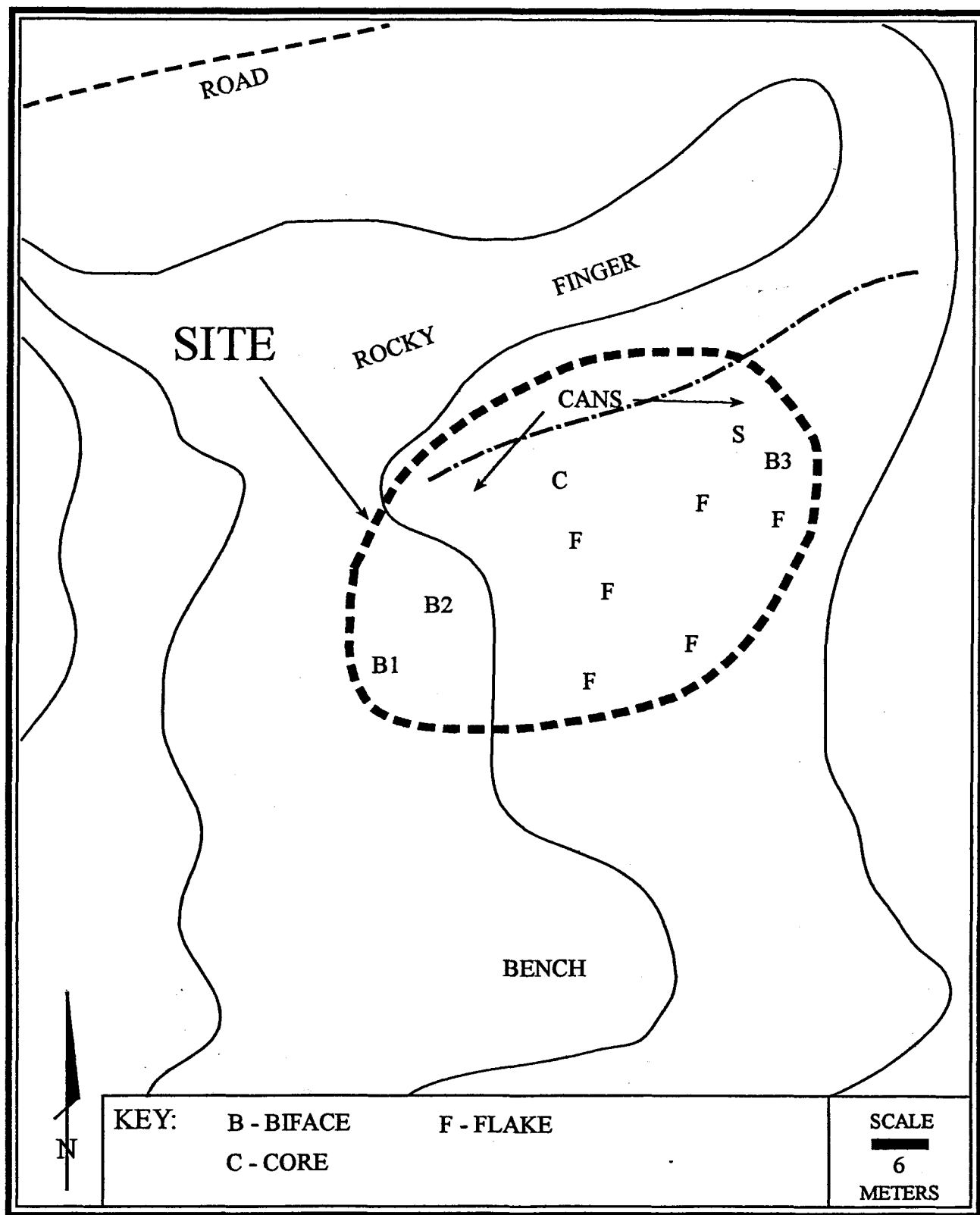


Figure 15. Plan map of site 42DC1287.

Site Number: 42DC1288
Temp Number: 16-32-1
Figure Numbers: 4 and 16

Site Type: Lithic Scatter

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located on narrow finger ridge overlooking Wells Draw.

Description: The site is a lithic scatter that extends over a 50 by 30 meter area. The site consists of approximately 25 flakes of tan oolitic and white cherts and a bifacially reduced, white chert core. The dominant flaking pattern stage represented is secondary. Primary flakes and shatter were also present. No worked tools, debitage concentrations, or fire-cracked rock was found on site. Soils on site consist of orange/tan sand with sandstone outcroppings. Deflation is occurring in the area and there is a light sandsheet above the bedrock. Depositional context is both aeolian and residual. Impact agents include erosion and grazing.

National Register Assessment: The lithic scatter is located on a narrow ridgeline of containing shallow soils with some outcrops. No diagnostic tools were located, artifact concentrations, or features that would suggest subsurface deposits. The site will not provide further substantive data regarding lithic technology, chronology, site spatial patterning, or settlement patterns. The site is recommended as **ineligible** for NRHP inclusion.

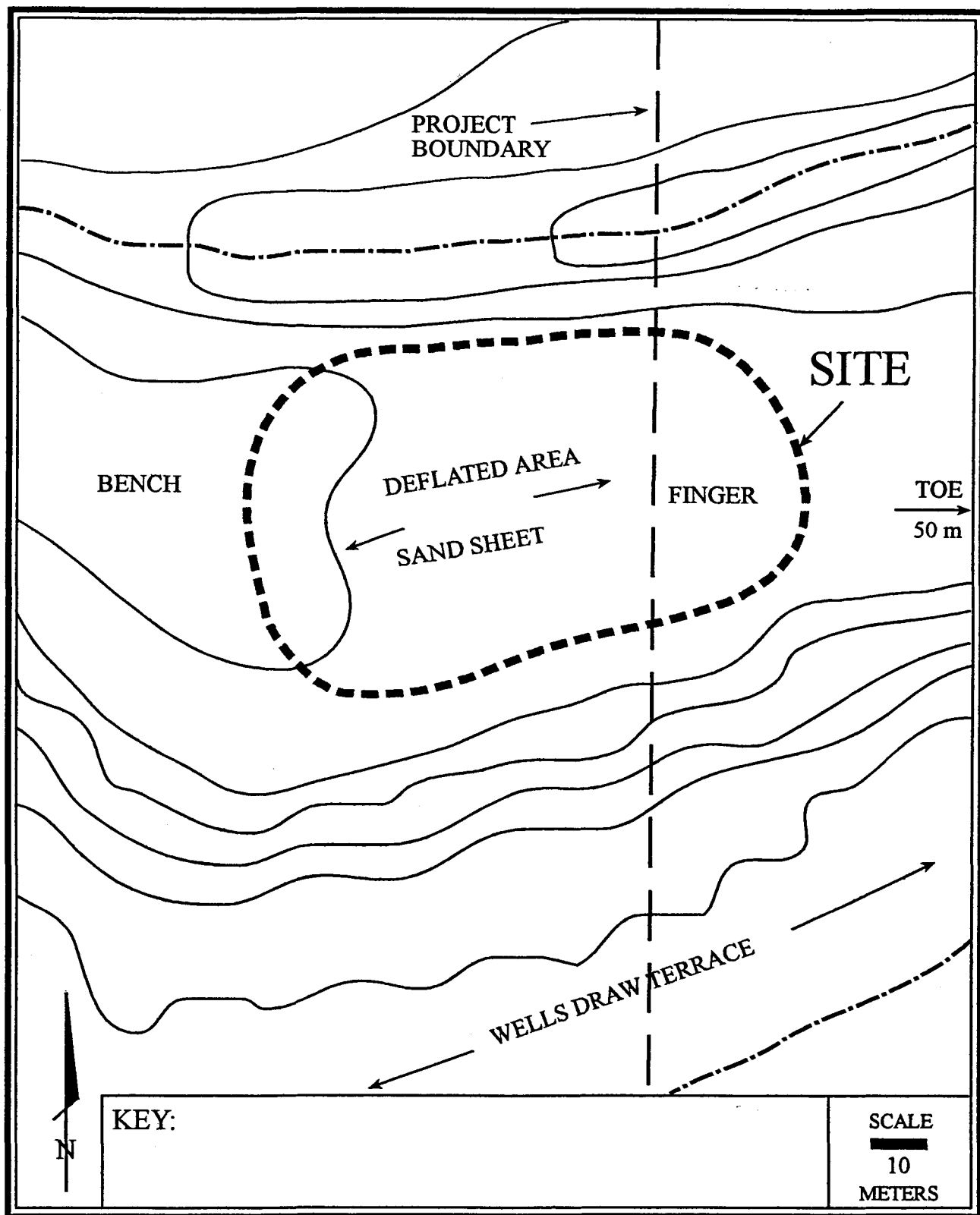


Figure 16. Plan map of site 42DC1288.

Site Number: 42DC1289

Temp Number: 1A-10-1

Figure Numbers: 4 and 17

Site Type: Lithic Scatter/possible campsite

Cultural Affiliation: Unknown Aboriginal

Setting: The site is located between two intermittent drainages in an area of low dunes/sand sheets.

Description: The site is a lithic scatter primarily contained in two loci located in deflated areas. The site extends over a 220 by 160 meter area. Lithic debitage on site consists of two oolitic secondary flakes, three fine-grained gray chert flakes, and 20-60 primary flakes of a gray slate-like material. The possibility exists that some of this debitage is the result of natural forces. The desert pavement areas of the site, where all of this material is located, contains evidence for standing water during certain times of the year. No lithic material was found on the sand deposits. Lithic tools noted on the site include a biface of white chert and a bifacially worked spall knife. Also, five areas of the site contain small sandstone slabs that likely were transported to the site. Currently these sandstone areas appear as surface sandstone manifestations, both on the dunes and desert pavement areas. These areas may have represented hearths, but this is uncertain as the slabs are out of context with no evidence of ashy soils or associated FCR. Sandstone Area 1 consists of six sandstone pieces ranging in size from 10-20cm. The pieces are located in a 1 by 1.5 meter area. Sandstone Area 2 consists of three pieces ranging in size from 10-15cm and aligned in a linear fashion in a 1 meter area. Sandstone Area 3 consists of five sandstone pieces that are 5-10cm in size and are located in a .5 by 1.5 meter area. Areas 1, 2, and 3, are located in sand deposits along the north end of the site. Sandstone Area 4 consists of 2-4 sandstone pieces, of approximately 5-15cm in size, in a 50cm diameter area. Sandstone Area 5 consists of three sandstone pieces ranging in size from 7-24cm. These are found in a 1 by .5 meter area. Sandstone Area 4 is located on desert pavement in Locus 2 while Sandstone Area 5 is located on desert pavement in Locus 1. The lithic material and tools are widely scattered across the site with the majority of the material appearing on the desert pavement in Loci 1 and 2.

National Register Assessment: The lithic scatter is sparse scatter of flakes over two desert pavement loci. Much of the debitage identified on site is from gray slate-like materials. Identified tools present consists of a biface and knife. Also, five sandstone surface manifestations were located on the desert pavement and surrounding dunes. These sandstone locations may have represented cultural features at one time, but none can be identified as such, due to their current very poor condition. Further, no artifacts are associated with them. The overall integrity of the site is poor, and its surface exhibits no known data which will provide further information for chronology, settlement patterns, or technology. Because some potential may exist in the dunes for buried features, is recommended the site be tested. Therefore, the site is recommended as **unevaluated**.

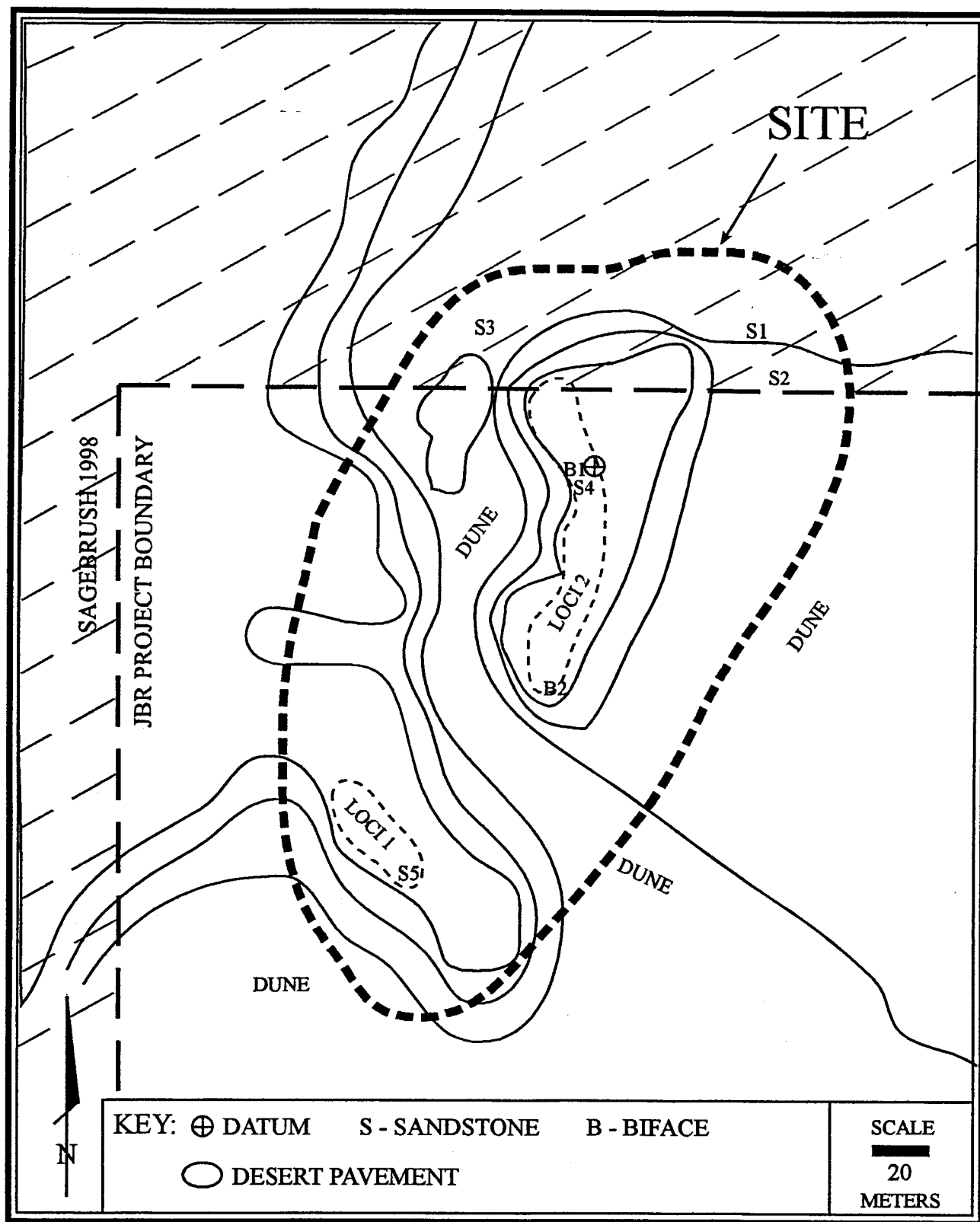


Figure 17. Plan map of site 42DC1289.

9.0 SUMMARY AND RECOMMENDATIONS

The Class III inventory identified one previously recorded cultural resource site and seven newly recorded sites. Of the seven newly recorded sites, three are recommended as eligible for the National Register of Historic Places (42DC1247, 42DC1249, and 42DC1250), one is recommended as being unevaluated (42DC1289) and the remaining three sites (42DC1248, 42DC1287, and 42DC1388) being recommended as ineligible. The previously recorded site (42DC795) was recommended as ineligible. Based on the literature search, it was expected that few cultural resource sites would be found. Expected site types would be small lithic scatters and possibly a few small historic debris scatters. In addition, seven isolated finds were recorded during the inventory. The paleontology work for the identified project is being completed under a separate report by Wade Miller.

No sites were encountered in the Ashley Unit well pads 1-2 and 8-2, and Lone Tree Unit 10-16. Well pads 9-32, 15-32, and 16-32, in the Wells Draw Expansion, contained four prehistoric sites (42DC795, 42DC1247, 42DC1248, 42DC1287), and one prehistoric/historic site (42DC1288). Of these 42DC1247 is recommended as eligible for inclusion into the NRHP. Well pad 1A-10 and in-fill location 14-2 in the Castle Draw Unit contained three prehistoric sites (42DC1249, 42DC1250, and 42DC1289). Site 42DC1249 represents a prehistoric campsite with intact features, 42DC1250 is a possible Paleo period site as indicated by the tool assemblage, and 42DC1289 is a lithic scatter/prehistoric campsite. It is recommended that sites 42DC1247, 42DC1249, 42DC1250, and 42DC1289 be avoided during any well expansion development.

The development of well pads 1-2 and 8-2 in the Ashley Unit, 9-32 and 15-32 in the Wells Draw Expansion Unit, 10-16 in the Lone Tree Unit, 15-10 and in-fill 3-N10 in the Black Jack Unit, and 9-10, and in-fill locations 1-10, and 1 in the Castle Draw Unit by Inland Resources will not affect any known significant cultural resource properties.

The nature and age of prehistoric cultural resources indicates that there is always the possibility of encountering previously unidentified cultural resources during any ground disturbing activities. In order to protect any unidentified or unrecorded cultural properties which may exist, the following restrictions should apply during construction of the drill pad:

1. Personnel and equipment associated with the project should be restricted to the area cleared for the project.
2. Personnel associated with the project should refrain from collecting or otherwise disturbing cultural materials that may be encountered during development.

3. If unrecorded cultural materials are encountered during the project, activities in the affected area(s) should cease, and the appropriate State office (SHPO), or BLM office, Vernal District should be notified before development in the area is resumed.
4. Human burials or other physical remains encountered during the project, require immediate cessation of activity in the affected area, as well as immediate notification of proper authorities. Native American burials or other remains must be reported to the BLM, Utah SHPO and appropriate Native American groups.

10.0 REFERENCES

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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/09/2000

API NO. ASSIGNED: 43-013-31819

WELL NAME: WELLS DRAW 9-32-8-16

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

NESE 32 080S 160E

SURFACE: 1977 FSL 0562 FEL

BOTTOM: 1977 FSL 0562 FEL

DUCHESNE

MONUMENT BUTTE (105)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21836

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>RH</i>	3-16-00
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[] Sta ☒ Fee[]
(No. RN4471291)

N Potash (Y/N)

N Oil Shale (Y/N) *190 - 5 (B)

☒ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date: _____)

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

 R649-2-3. Unit Wells Draw (GR)

☒ R649-3-2. General

Siting: _____

 R649-3-3. Exception:

 Drilling Unit

Board Cause No: _____

Eff Date: _____

Siting: _____

 R649-3-11. Directional Drill

COMMENTS: Need Presite. (Conducted 3-3-00)

STIPULATIONS: ① STATEMENT OF BASIS



COUNTY: DUCHESNE UNIT: WELLS DRAW



DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: Inland Production Company
Name & Number: Wells Draw Unit #9-32-8-16
API Number: _____
Location: 1/4, 1/4 NE/SE Sec. 32 T. 8S R. 16E

Geology/Ground Water:

Inland has proposed setting 300 feet of surface casing at this location. A search of records from the Division of Water Rights shows no water wells within 10,000 feet of the center of section 32. Several surface water diversions are indicated but are over a mile from the proposed location. The depth to the moderately saline water is estimated to be approximately 500 feet. The proposed casing should be adequate to protect ground water at this location.

Reviewer: Brad Hill
Date: 03/15/00

Surface:

A presite investigation of the surface area was done by the Roosevelt Field Office personal on March 3, 2000. State Lands (SITLA) and the Division of Wildlife Resources were both notified regarding the date and time of this onsite meeting, neither agency attended. Operator has proposed berming the entire location; they have also proposed berming all future locations. Sandstone outcropping to west of location. No other concerns noted regarding surface during presite visit.

Reviewer: Dennis L. Ingram
Date: March 6, 2000

Conditions of Approval/Application for Permit to Drill:

1. If blasting is used to dig reserve pit a 12 mil liner shall be properly installed.
(Wells Draw wash is located to the south with shallow subsurface water and fracturing from blasting could cause contamination of same).

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Inland Production Company
WELL NAME & NUMBER: Wells Draw Unit #9-32-8-16
API NUMBER: 43-013-31819
LEASE: ML-21836 FIELD/UNIT: Wells Draw Unit
LOCATION: 1/4, 1/4 NE/SE Sec: 32 TWP: 8S RNG: 16E 1977.1 FSL 561.9 FEL
LEGAL WELL SITING: 460F SEC. LINE; 460F 1/4, 1/4 LINE; 920F ANOTHER WELL.
GPS COORD (UTM): 12 573657E; 4436230N
SURFACE OWNER: STATE LANDS (SITLA)

PARTICIPANTS

Brad Mecham (Inland Production Company); Dennis L. Ingram (DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Location is set on eastern bench approximately 1/2 mile east of Wells Draw Road and 1500 feet north of Wells Draw, with surface sloping southeast toward draw, in tabletop desert habitat.

SURFACE USE PLAN

CURRENT SURFACE USE: Livestock and wildlife grazing.

PROPOSED SURFACE DISTURBANCE: Proposed 0.4 miles of access road with a location disturbance of 305'x 210' with top soil and reserve pit Spoils placed outside those boundaries.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall be located on location. Residue and sales lines will run along access road and tie into main system at entrance.

SOURCE OF CONSTRUCTION MATERIAL: Cut and fill or borrowed material

ANCILLARY FACILITIES: None proposed by operator.

WASTE MANAGEMENT PLAN:

Submitted to DOGM with application to drill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Desert flora typical of region, shadscale, prickly pear cactus, native grasses, Fauna also typical, antelope, deer, coyote, Fox, raccoon, rabbit, birds of prey, other small birds, smaller mammals and insects.

SOIL TYPE AND CHARACTERISTICS: Tan to light brown fine-grained sandy loam

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation of Upper Eocene age.

EROSION/SEDIMENTATION/STABILITY: Some erosion, minor sedimentation,
No stability problems anticipated from construction of location.

PALEONTOLOGICAL POTENTIAL: None observed during onsite visit.

RESERVE PIT

CHARACTERISTICS: Built on northwest side in cut above location,
measuring 40'x 90'x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points. No liner
will be required.

SURFACE RESTORATION/RECLAMATION PLAN

According to State Lands or SITLA requirements at time of restoration.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Submitted to DOGM with Application to Drill

OTHER OBSERVATIONS/COMMENTS

Southeast sloping surface toward Wells Draw, approximately 1400'
southeast of same.

ATTACHMENTS:

Photos of surface.

Dennis L. Ingram
DOGM REPRESENTATIVE

03/03/00 9:15 AM
DATE/TIME

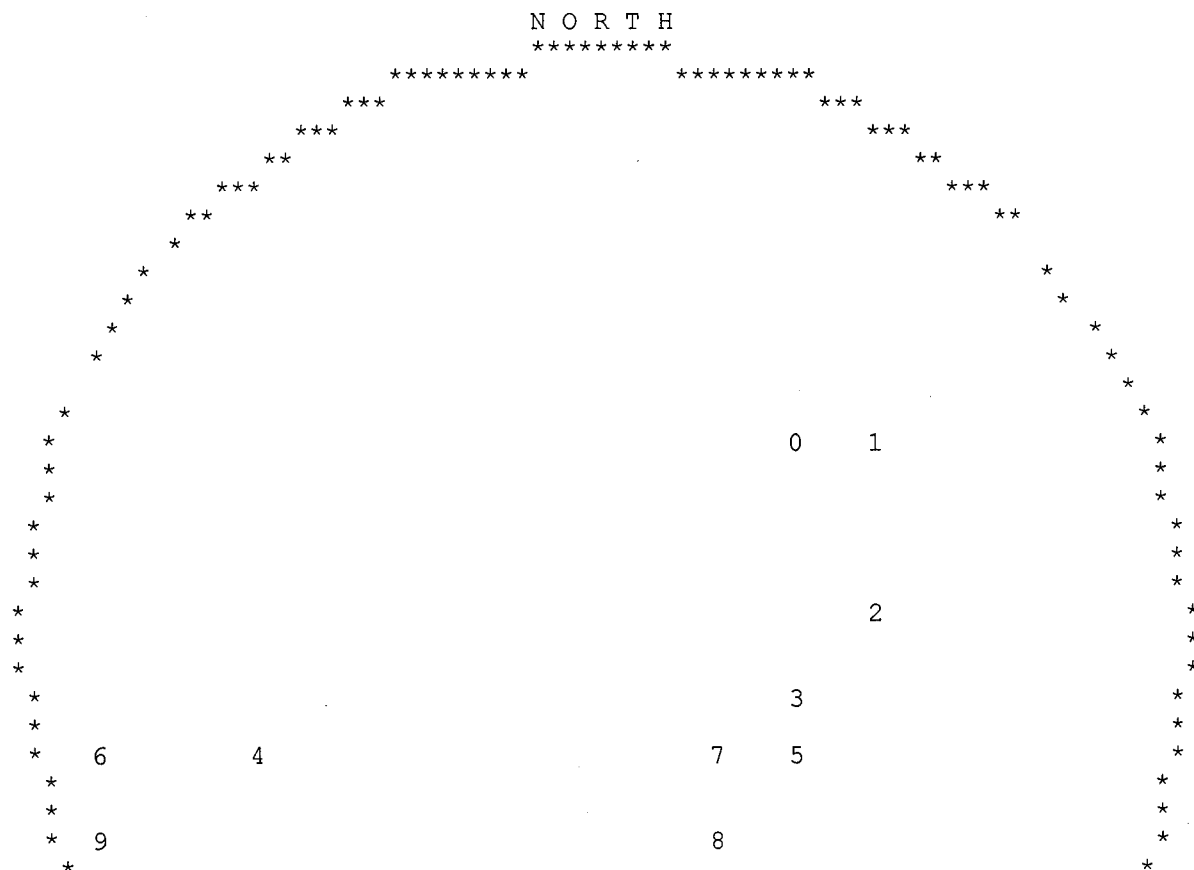
**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score (Level II Sensitivity)		<u>15</u>

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, MAR 15, 2000, 11:04 AM
PLOT SHOWS LOCATION OF 11 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 32 TOWNSHIP 8S RANGE 16E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET



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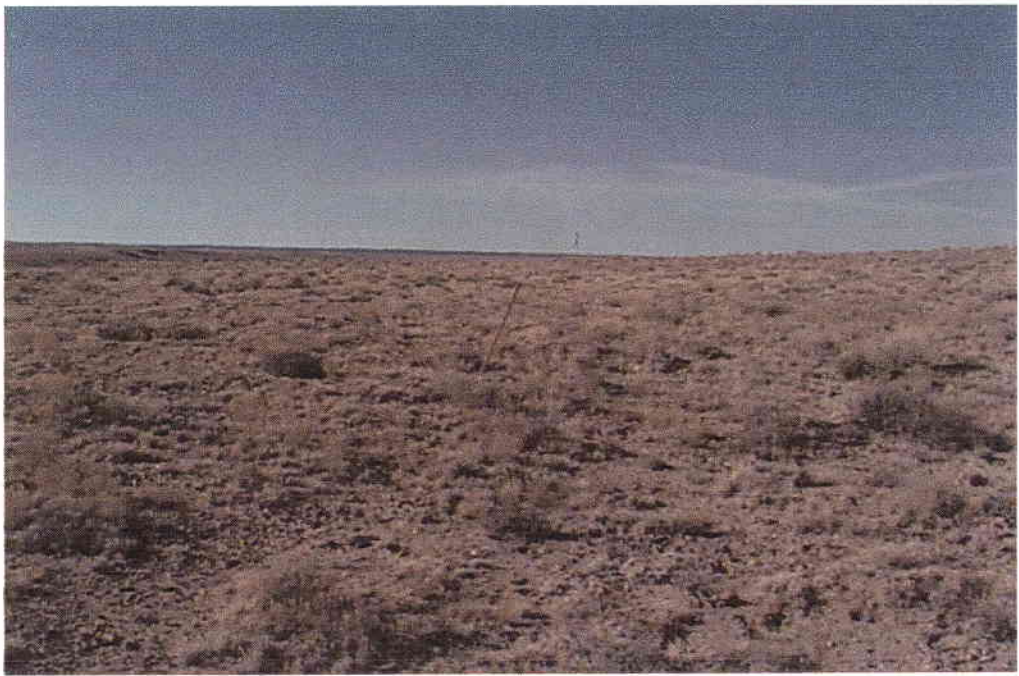
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UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

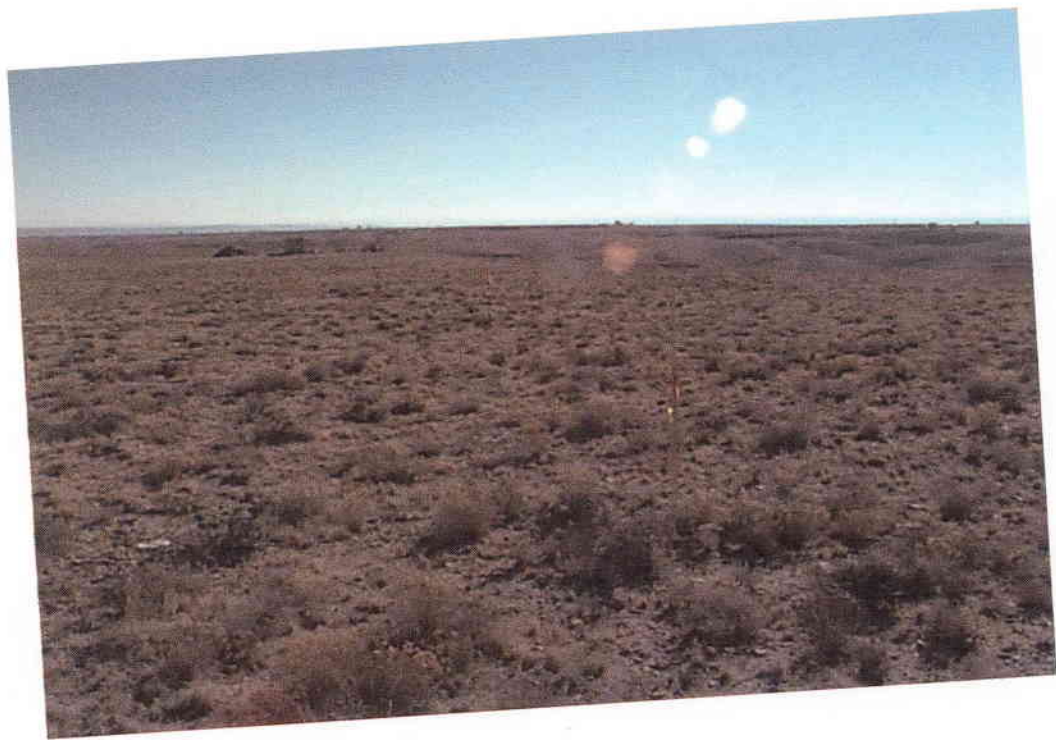
MAP CHAR	WATER RIGHT	QUANTITY CFS AND/OR	AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER DEPTH YEAR LOG NORTH EAST	POINT OF DIVERSION DESCRIPTION CNR SEC TWN RNG B&M
0	47 1572	.0000	.00	Unnamed Stream	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management			Vernal
1	47 1588	.0000	.00	Unnamed Stream	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management			Vernal
2	47 1590	.0000	.00	Wells Draw	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
		USA Bureau of Land Management			Vernal
3	47 1802	1.3000	.00	Green River & Underground Wate	N 1850 E 660 SW 33 8S 16E SL
		WATER USE(S): OTHER			PRIORITY DATE: 04/23/199
		PG & E Resources Company			410 17th Street, Suite 700
		PG & E Resources Company			4849 Greenville Avenue, Suite 1200
					Denver
					Dallas

4	<u>47 1587</u>	.0000	.00 unnamed stream		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Vernal
			USA Bureau of Land Management	170 South 500 East	
5	<u>47 1305</u>	.0000	.00 Wells Canyon Creek		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			USA Bureau of Land Management	2370 South 2300 West	
6	<u>47 1495</u>	.0000	.00 Pleasant Valley Wash		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			State of Utah School & Institutional Tru	675 East 500 South, 5th Floor	
7	<u>47 1496</u>	.0000	.00 Wells Draw		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			State of Utah School & Institutional Tru	675 East 500 South, 5th Floor	
7	<u>47 1496</u>	.0000	.00 Wells Draw		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			State of Utah School & Institutional Tru	675 East 500 South, 5th Floor	
8	<u>47 1304</u>	.0000	.00 Wells Canyon Creek		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			USA Bureau of Land Management	2370 South 2300 West	
9	<u>47 1309</u>	.0000	.00 Pleasant Valley Creek		PRIORITY DATE: 00/00/188
			WATER USE(S): STOCKWATERING		Salt Lake City
			USA Bureau of Land Management	2370 South 2300 West	











Well name:

3-00 Inland WDU #9-32-8-16Operator: **Inland**
String type: **Surface**Project ID:
43-013-31819Location: **Duchesne Co.****Design parameters:****Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 1 ft

BurstMax anticipated surface
pressure: -2,574 psi
Internal gradient: 9.018 psi/ft
Calculated BHP 131 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on buoyed weight.
Neutral point: 262 ft

Non-directional string.

Re subsequent strings:Next setting depth: 300 ft
Next mud weight: 8.400 ppg
Next setting BHP: 131 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	131	1370	10.47	131	2950	22.54	6	244	38.79 J

Prepared RJK
by: Utah Dept. of Natural ResourcesDate: March 16,2000
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
In addition, burst strength is biaxially adjusted for tension.*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

3-00 Inland WDU #9-32-8-16Operator: **Inland**String type: **Production**

Project ID:

43-013-31819Location: **Duchesne Co.****Design parameters:****Collapse**Mud weight: 8.330 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 166 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top: 191 ft

BurstMax anticipated surface pressure: 0 psi
Internal gradient: 0.433 psi/ft
Calculated BHP 2,813 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,681 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2813	4040	1.44	2813	4812	1.71	88	217	2.46 J

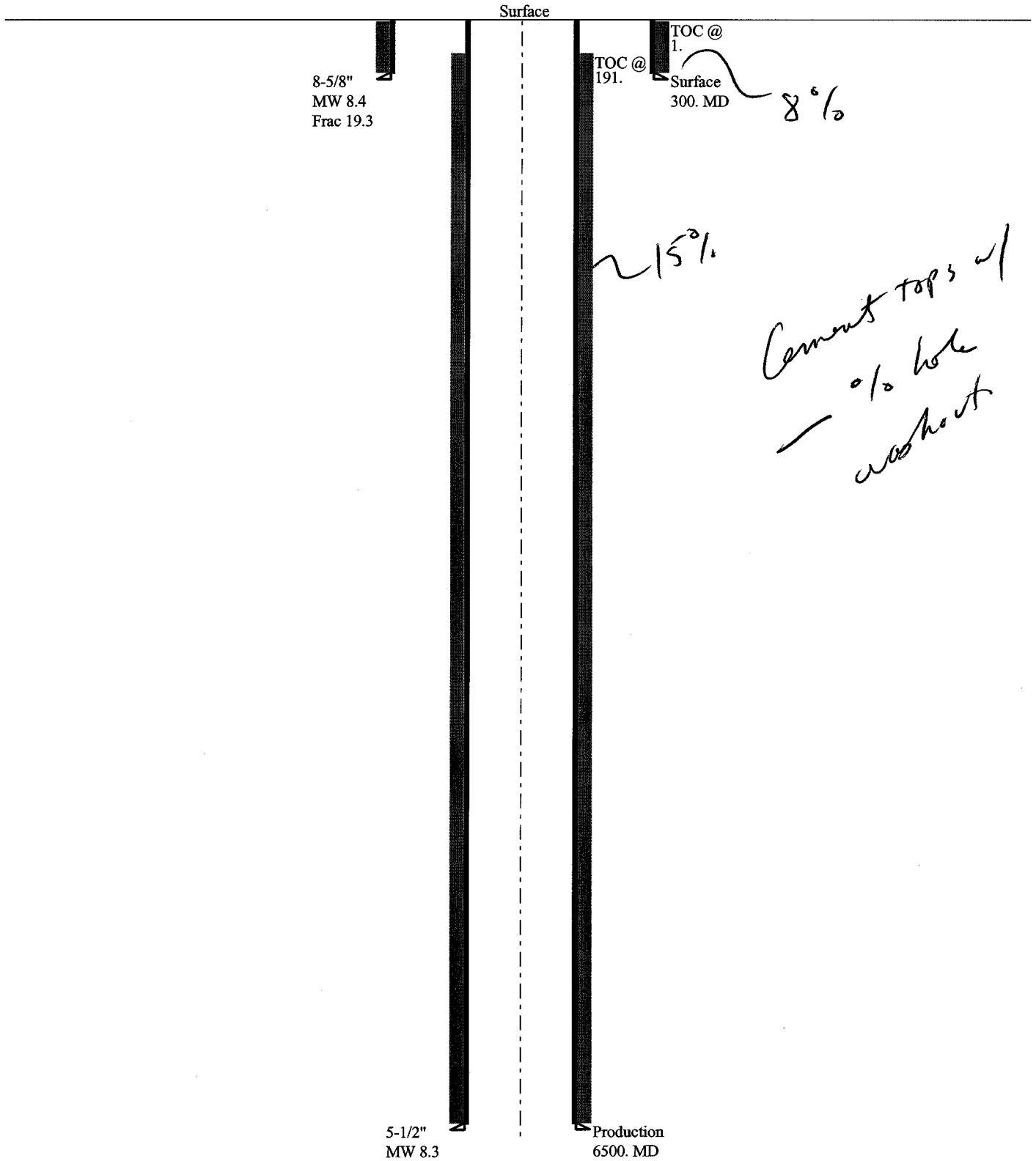
Prepared RJK
by: Utah Dept. of Natural ResourcesDate: March 16,2000
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

3-00 Inland WDU #9-32-8-00
Casing Schematic





State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

March 16, 2000

Inland Production Company
410 17th Street, Suite 700
Denver, CO 80202

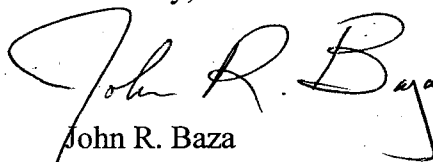
Re: Wells Draw 9-32-8-16 Well, 1977' FSL, 562' FEL, NE SE, Sec. 32, T. 8S, R. 16E,
Duchesne Co., Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31819.

Sincerely,


John R. Baza
Associate Director

al

Enclosures

cc: Duchesne County Assessor
Utah School and Institutional Trust Lands Administration
Bureau of Land Management, Vernal

Operator: Inland Production Co

Well Name & Number: Wells Draw 9-32-8-16

API Number: 43-013-31819

Lease: ML-21836

Location: NE SE **Sec.** 32 **T.** 8 S **R.** 16E

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- Dan Jarvis at (801)538-5338
- Robert Krueger at (801)538-5274 (plugging)
- Carol Daniels at (801)538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: WELLS DRAW 9-32-8-16

Api No.. 43-013-31819 Lease Type: STATE

Section 32 Township 08S Range 16E County DUCHESNE

Drilling Contractor UNION DRILLING RIG # 14

SPUDDED:

Date 04/06/2000

Time 11:30 PM

How DRY HOLE

Drilling will commence

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 04/062000 Signed: CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT NO: N5150

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12276	43-013-31819	Wells Draw 9-32-8-16	NESE	32	8S	16E	Duchesne	April 6, 2000	April 1, 1994
WELL COMMENTS: Union rig #14 spud at 1:15 PM <i>000410 entity added.</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 3 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 4 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Dee Matheson
Signature

Sr. Production Accounting Clerk April 10, 2000
Title Date



April 10, 2000

*State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801*

Dear Carol:

Please find enclosed Form 3160-5, for the Wells Draw 9-32-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

*PAT WISENER
Drilling Foreman*

Enclosures

pw

RECEIVED

APR 11 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <div style="text-align: center;">ML - 21836</div>	
2. NAME OF OPERATOR <div style="text-align: center;">INLAND PRODUCTION COMPANY</div>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <div style="text-align: center;">N/A</div>	
3. ADDRESS OF OPERATOR <div style="text-align: center;">Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</div>		7. UNIT AGREEMENT NAME <div style="text-align: center;">Wells Draw Unit</div>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <div style="text-align: center;">1977.1' FSL & 561.9' FEL NE/SE</div>		8. FARM OR LEASE NAME <div style="text-align: center;">Wells Draw</div>	
14 API NUMBER <div style="text-align: center;">43-013-31819</div>		9. <div style="text-align: center;"># 9-32-8-16</div>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">5742' GR</div>		10 FIELD AND POOL OR WILDCAT <div style="text-align: center;">Monument Butte</div>	
11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA <div style="text-align: center;">Sec 32, T8s, R16E</div>		12 COUNTY OR PARISH <div style="text-align: center;">Duchesne</div>	
13 STATE <div style="text-align: center;">UT</div>			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (OTHER) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Surface Spud</u> <input checked="" type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU UNION RIG # 14. Set equipment. Drill mouse hole & rat hole. Spud well @ 1:15 PM ON 4/6/00. Drill 17 1/4" hole and set 23' of 133/8" conductor. Nipple up cellar. Drill 12 1/4" hole with air mist to a depth of 342'. TIH w/ 85/8" J-55 24# csg. Landed @ 310.06 w/KB. Cement with *141sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg > 1.17 YLD. Estimated 2 bbls cement to surface. WOC 4 hours. Break out & Nipple up BOP's. Pressure test Kelly, TIW, Choke manifold, & BOP's TO 2000 psi. Test 85/8" CSG. TO 1500 PSI. ALL TESTED GOOD. Utah DOGM & Vernal District BLM notified by phone. Drill 7 7/8" hole with water mist to a depth of 3035'.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Rat Wisener</u>	TITLE <u>Drilling Foreman</u>	DATE <u>04/10/2000</u>	
---------------------------	-------------------------------	------------------------	--

(This space for Federal or State office use)

APPROVED BY _____	TITLE _____	DATE _____	
-------------------	-------------	------------	--

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

APR 11 2000

**DIVISION OF
OIL, GAS AND MINING**

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 310.06

LAST CASING 8 5/8" SET AT 310.06
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 342' LOGGER _____
 HOLE SIZE 12 1/4"

OPERATOR INLAND PRODUCTION COMPANY
 WELL Wells Draw 9-32--8-16
 FIELD/PROSPECT NMB
 CONTRACTOR & RIG # UNION RIG 14

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
		WHI " 92 " CSG HEAD			8rd	A	0.9
7	8 5/8"	Maverick ST&C CSG	24	J-55	8rd	A	289.21
		SHOE - GUIDE			8rd	A	0.95
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			312.46
TOTAL LENGTH OF STRING		312.46	7	LESS CUT OFF PIECE			12.4
LESS NON CSG. ITEMS		14.25		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		0	0	CASING SET DEPTH			310.06
TOTAL		298.21	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		298.21	7				
TIMING		1ST STAGE		GOOD CIRC THRU JOB			YES
BEGIN RUN CSG.		11:30PM		Bbls CMT CIRC TO SURFACE			2 BBLS
CSG. IN HOLE		12:30am		RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN CIRC		1:08am		DID BACK PRES. VALVE HOLD ?			N/A
BEGIN PUMP CMT		1:18am		BUMPED PLUG TO			106 PSI
BEGIN DSPL. CMT		1:26am					
PLUG DOWN		1:35am					

CEMENT USED		CEMENT COMPANY- BJ	RECEIVED
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	141	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
2			
3			DIVISION OF OIL, GAS AND MINING
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
1 on middle of first JT, 1 collar of the second & third JT. TOTAL 3			

COMPANY REPRESENTATIVE PAT WISENER DATE 04/07/2000



April 17, 2000

*State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801*

Dear Carol:

Please find enclosed Form 5, for the Wells Draw 9-32-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

*PAT WISENER
Drilling Foreman*

Enclosures

pw

RECEIVED
APR 18 2000
DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <p style="text-align: center;">ML - 21836</p>																									
2. NAME OF OPERATOR <p style="text-align: center;">INLAND PRODUCTION COMPANY</p>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <p style="text-align: center;">N/A</p>																									
3. ADDRESS OF OPERATOR <p style="text-align: center;">Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</p>		7. UNIT AGREEMENT NAME <p style="text-align: center;">Wells Draw Unit</p>																									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p style="text-align: center;">1977.1'FSL & 561.9' FEL NE/SE</p>		8. FARM OR LEASE NAME <p style="text-align: center;">Wells Draw</p>																									
10. FIELD AND POOL, OR WILDCAT <p style="text-align: center;">Monument Butte</p>		9. <p style="text-align: center;"># 9-32-8-16</p>																									
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <p style="text-align: center;">Sec 32, T8s, R16E</p>		12. COUNTY OR PARISH <p style="text-align: center;">Duchesne</p>																									
13. STATE <p style="text-align: center;">UT</p>		15. ELEVATIONS (Show whether DF, RT, GR, etc.) <p style="text-align: center;">5742' GR</p>																									
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">NOTICE OF INTENTION TO:</th> <th colspan="2" style="text-align: left;">SUBSEQUENT REPORT OF:</th> </tr> </thead> <tbody> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>(OTHER) <u>Weekly Status</u></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>(OTHER) <input type="checkbox"/></td> <td><input type="checkbox"/></td> <td colspan="2">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </tbody> </table>				NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Weekly Status</u>	<input checked="" type="checkbox"/>	(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
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SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																								
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17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drill a 7 7/8" hole to a depth of 3795' with air mist. TOH with drill string, BHA, TIH with fluid bit, MM & BHA. Drill a 7 7/8" hole to a depth of 6050' with water based mud. TOH and lay down drill string, BHA. Open hole log. PU & MU TIH with 142 jt's 4 1/2" J-55, 11.6# CSG. Set @ 6035.12 KB. Cement with *350 sks Prem Lite II w/ 10% GEL. & 3% KCL mixed @ 11.0ppg>3.43YLD. *550 sks 50/50 POZ w/ 2% GEL. & 3% KCL mixed @ 14.4ppg>1.24YLD. Good circulation & returns with 15 bbls dye to surface. Plug down @ 1:07 pm on 4/13/00. Nipple down BOP's. Drop slips with 62,000#. Release rig @ 4:30 pm on 4/13/00.
WOC.

18 I hereby certify that the foregoing is true and correct

SIGNED <u><i>Ruth Wisner</i></u>	TITLE <u>Drilling Foreman</u>	DATE <u>04/17/2000</u>
----------------------------------	-------------------------------	------------------------

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

APR 18 2000

**DIVISION OF
OIL, GAS AND MINING**

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

4 1/2"

CASING SET AT

6035.12

LAST CASING 8 5/8" SET AT 310.06

DATUM 10' KB

DATUM TO CUT OFF CASING _____

DATUM TO BRADENHEAD FLANGE _____

TD DRILLER 6050' LOGGER 6049

HOLE SIZE 7 7/8"

OPERATOR INLAND PRODUCTION COMPANY

WELL Wells Draw 9-32-8-16

FIELD/PROSPECT NMB

CONTRACTOR & RIG # UNION RIG 14

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
141	4 1/2"	Maverick LT&C CSG	11.6#	J-55	8rd	A	6013.47
		Float Collar (auto fill)			8rd	A	0.6
1	4 1/2"	Maverick LT&C CSG	11.6#	J-55	8rd	A	10.4
		SHOE - GUIDE			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6037.52
TOTAL LENGTH OF STRING		6037.52	142	LESS CUT OFF PIECE			12.4
LESS NON CSG. ITEMS		13.65		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		119	3	CASING SET DEPTH			6035.12
TOTAL		6142.87	145	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6142.87	145				
TIMING		1ST STAGE					
BEGIN RUN CSG.		7:30am		GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		11:00am		Bbls CMT CIRC TO SURFACE <u>15 bbls dye</u>			
BEGIN CIRC		11:12 AM		RECIPROCATED PIPE FOR <u>15 mins</u> THRU <u>6'</u> FT STROKE			
BEGIN PUMP CMT			11:47am	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT			12:51pm	BUMPED PLUG TO <u>2160</u> PSI			
PLUG DOWN			1:07pm				

CEMENT USED		CEMENT COMPANY- BJ	<div>RECEIVED</div> <div>APR 18 2000</div> <div>DIVISION OF OIL, GAS AND MINING</div>
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	350	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD	
2	550	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.24 YLD	
3			
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
1 on middle of first JT, 1 collar of the second & third JT. Then one every third collar for a total of 20.			

COMPANY REPRESENTATIVE

PAT WISENER

DATE 04/13/2000



May 8, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Wells Draw 9-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

MAY 10 2000

**DIVISION OF
OIL, GAS AND MINING**

May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21836	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME Wells Draw Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1977.1' FSL & 561.9' FEL NE/SE		8. FARM OR LEASE NAME Wells Draw Unit	
14 API NUMBER 43-013-31819		9. # 9-32-8-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5742' GR		10 FIELD AND POOL, OR WILDCAT Monument Butte	
		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T8s, R16E	
		12 COUNTY OR PARISH Duchesne	13 STATE UT
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Weekly Status</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status report for time period 5/1/00 through 5/7/00.

Subject well had completion procedures initiated on 5/2/00. Three Green River zones were perforated and hydraulically fractured. Bridge plugs and sand plugs are being removed from wellbore at present time.

RECEIVED

MAY 10 2000

**DIVISION OF
OIL, GAS AND MINING**

18 I hereby certify that the foregoing is true and correct.

SIGNED *Harry Chief* TITLE Completion Foreman DATE 5/8/00

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



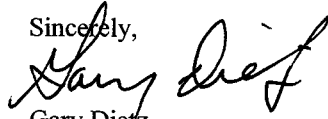
May 15, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Wells Draw State 9-32-8-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,



Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

MAY 16 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21836	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME Wells Draw Unit	
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15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5742' GR		10 FIELD AND POOL, OR WILDCAT Monument Butte	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T8s, R16E	
17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12 COUNTY OR PARISH Duchesne	
13 STATE UT			

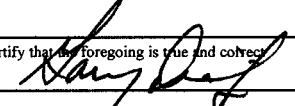
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (OTHER) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>		
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status report for time period 5/8/00 through 5/14/00.

Subject well had all bridge plugs and sand plugs removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well and began producing on pump on 5/9/00.

18 I hereby certify that the foregoing is true and correct.

SIGNED <u></u>	TITLE <u>Completion Foreman</u>	DATE <u>5/15/00</u>	
---	---------------------------------	---------------------	--

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

MAY 16 2000

**DIVISION OF
OIL, GAS AND MINING**



June 15, 2000

Bureau of Land Management
Vernal District Office, Division of Minerals
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Edwin I. Forsman

Re: **Wells Draw Unit 9-32-8-16**
NE SE Section 32-8S-16E
Duchesne County, Utah

Dear Mr. Forsman:

Enclosed are duplicate copies of the Well Completion form (Form 3160-4) and a set of logs for the above referenced well. *Logs filed in log file.*

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Madalyn M. Runge

Madalyn M. Runge
Operations Secretary

Enclosures

cc: State of Utah, Division of Oil, Gas and Mining
Attn: Mr. Mike Hebertson
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver

RECEIVED

JUN 19 2000

**DIVISION OF
OIL, GAS AND MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒GAS WELL ☐DRY ☐

Other _____

1b. TYPE OF WELL

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF RESVR. ☐

Other _____

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface

NE/SE 1977' FSL & 562' FEL

At top prod. Interval reported below

At total depth

14. PERMIT NO.

43-013-31819

DATE ISSUED

03/16/00

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPURRED

04/06/00

16. DATE T.D. REACHED

04/12/00

17. DATE COMPL. (Ready to prod.)

05/09/00

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5752' KB

5742' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6049'

21. PLUG BACK T.D., MD & TVD

6012'

22. IF MULTIPLE COMPL.,

HOW MANY*

23. INTERVALS

DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 5198' - 5954'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL/SP/GR/CAL - CN/CD/GR - CBL 6-19-00

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	310'	12-1/4	141 sx Class "G"	
4-1/2"	11.6#	6035'	7-7/8	350 sx Premium Lite Modified	
				550 sx 50/50 Poz w/2% gel	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	EOT @ 5892'	TA @ 5759'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
B SANDS: 5198' - 5266'	4 SPF	72 Holes
LDC SANDS: 5603' - 5614'	4 SPF	60 Holes
CP SANDS: 5941' - 5954'	4 SPF	52 Holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5603' - 5614'	95,000# 20/40 sd in 479 bbls Viking I-25
5198 - 5206, 5256-66'	74,500# 20/40 sd in 534 bbls Viking I-25

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
05/09/00	2-1/2" x 1-1/2" x 16' RHAC Pump	
DATE OF TEST	HOURS TESTED	CHOKE SIZE
10 day avg	6/1/00	
PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.
	141	320
WATER--BBL.	8	
GAS-OIL RATIO	227	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

JUN 19 2000

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs In Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from my own knowledge and records.

SIGNED

Don W. Murphy

TITLE

Senior Operations Engineer

DATE

6/14/00

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	3991'					
Garden Gulch 2	4270'					
Point 3 Mkr	4533'					
X Mkr	4793'					
Y-Mkr	4826'					
Douglas Creek Mkr	4942'					
BiCarbonate Mkr	5174'					
B Limestone Mkr	5296'	5318'				
Castle Peak	5850'	5725'				
Basal Carbonate	--					
Total Depth (Loggers)	6049'					

WELLS DRAW 9-32-8-16



February 28, 2001

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Wells Draw State #9-32-8-16
Monument Butte Field, Wells Draw Unit, Lease #ML-21836
Section 32-Township 8S-Range 16E
Duchesne County, Utah
43-013-31819

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw State #9-32-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

Sincerely,


Bill Pennington
Chief Financial Officer

RECEIVED

MAR 08 2001

**DIVISION OF
OIL, GAS AND MINING**

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
WELLS DRAW STATE #9-32-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
WELLS DRAW UNIT
LEASE #ML-21836
FEBRUARY 28, 2001

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS 410 17th Street, Suite 700
Denver, Colorado 80202

Well Name and number: Wells Draw Federal #9-32-8-16
Field or Unit name: Monument Butte (Green River) Wells Draw Unit Lease No. ML-21836
Well Location: QQ NE/SE section 32 township 8S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]

Is this application for a new well to be drilled? Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]

Date of test: _____

API number: 43-013-31819

Proposed injection interval: from 5198 to 5954'
4446'
Proposed maximum injection: rate 500 bpd pressure 2060 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Bill Pennington Signature Bill Pennington
Title Chief Financial Officer Date 28-Feb-01
Phone No. (303) 893-0102

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:

RECEIVED

MAR 08 2001

DIVISION OF
OIL, GAS AND MINING

Wells Draw #9-32-8-16

Spud Date: 4/06/2000
Put on Production: 5/09/2000
GL: 5742' KB: 5752'

IP: 141 BOPD, 320 MCFD, 8 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310')
DEPTH LANDED: 312'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 11.6#
LENGTH: 142 jts. (6037.52')
DEPTH LANDED: 6035.12'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.
CEMENT TOP AT: Surface per CBL

452

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 182 jts
TUBING ANCHOR: 5759.13'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5891.78'
SN LANDED AT: 5794.51'

FRAC JOB

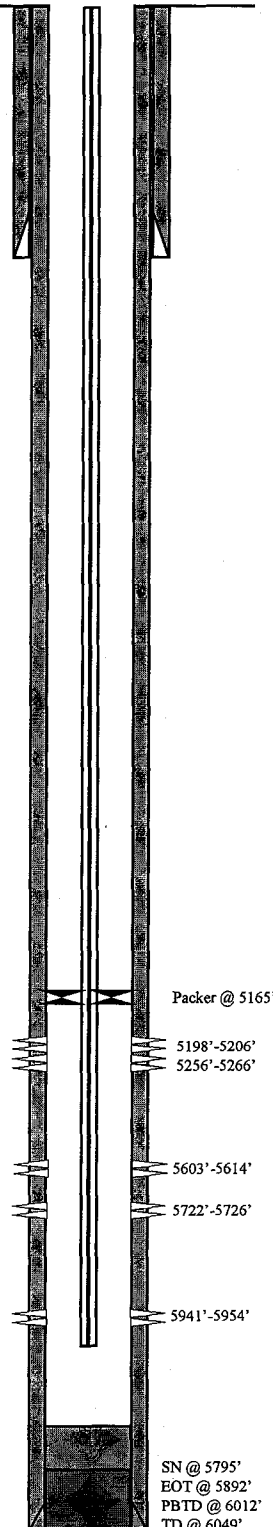
5/04/00 5941'-5954' **Frac CP sand as follows:**
74,500# 20/40 sand in 436 bbls Viking I-25 fluid. Perfs broke @ 4286 psi.
Treated @ avg pressure of 2950 psi with avg rate of 27.5 BPM. ISIP 2075 psi; 5 min 1872 psi. Left pressure on well.

5/04/00 5603'-5726' **Frac LDC sand as follows:**
95,500# 20/40 sand in 479 bbls Viking I-25 fluid. Perfs broke @ 3785 psi.
Treated @ avg pressure of 3320 psi with avg rate of 32.4 BPM. ISIP 3240 psi; 5 min 2965 psi. Flowed back on 12/64" choke for 4-1/2 hrs & died. Recovered 183 BTF.

5/05/00 5198'-5266' **Frac B sand as follows:**
74,500# 20/40 sand in 372 bbls Viking I-25 fluid. Perfs broke @ 3100 psi.
Treated at avg pressure of 2500 psi @ avg rate of 26 BPM. ISIP 2780 psi; 5 min 2712 psi. Flowed back on 12/64" choke for 2-1/2 hrs & died. Recovered 77 BTF.

PERFORATION RECORD

5/04/00	5941'-5954'	4 JSPF	52 holes
5/04/00	5603'-5614'	4 JSPF	44 holes
5/04/00	5722'-5726'	4 JSPF	16 holes
5/05/00	5198'-5206'	4 JSPF	32 holes
5/05/00	5256'-5266'	4 JSPF	40 holes



Inland Resources Inc.

Wells Draw #9-32-8-16

1977 FSL 562 FEL

NE/SE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31819; Lease #ML21836

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 **The name and address of the operator of the project.**

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

- 2.2 **A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

- 2.3 **A full description of the particular operation for approval is requested.**

Approval is requested to convert the Wells Draw State #9-32-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

- 2.4 **A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 **The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Wells Draw State #9-32-8-16 well, the proposed injection zone is from 5198'- 5954'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4942'.

- 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Wells Draw State #9-32-8-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a State lease (Lease #ML-21836) in the Monument Butte (Green River) Field, Wells Draw Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 312' GL, and 5-1/2" 15.5# J-55 casing run from surface to 6035' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2060 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Wells Draw State #9-32-8-16, for proposed zones (5198' - 5954') calculates at 0.78 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2060 psig. See Attachment G through G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Wells Draw State #9-32-8-16, the injection zone (5198' - 5954') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

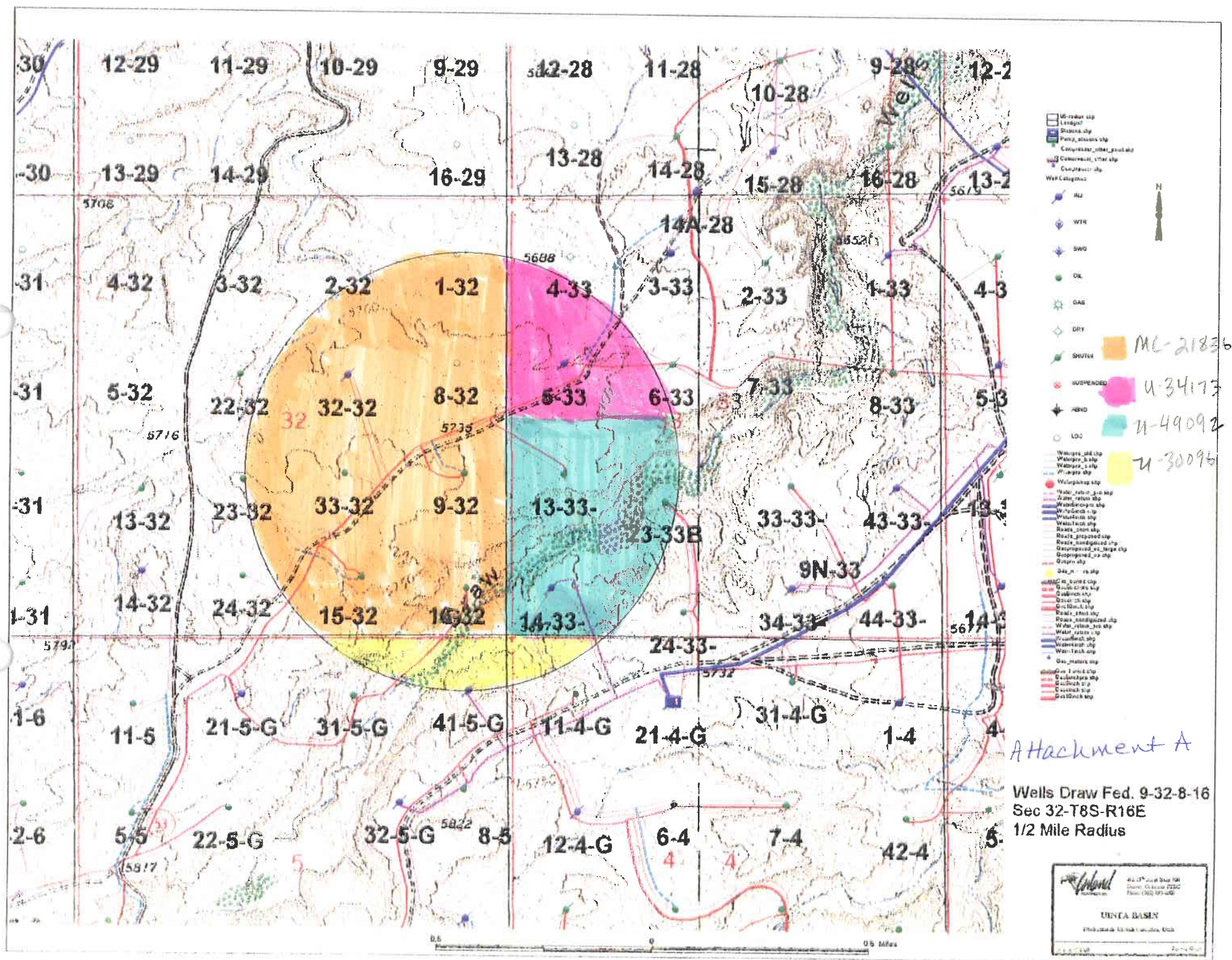
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

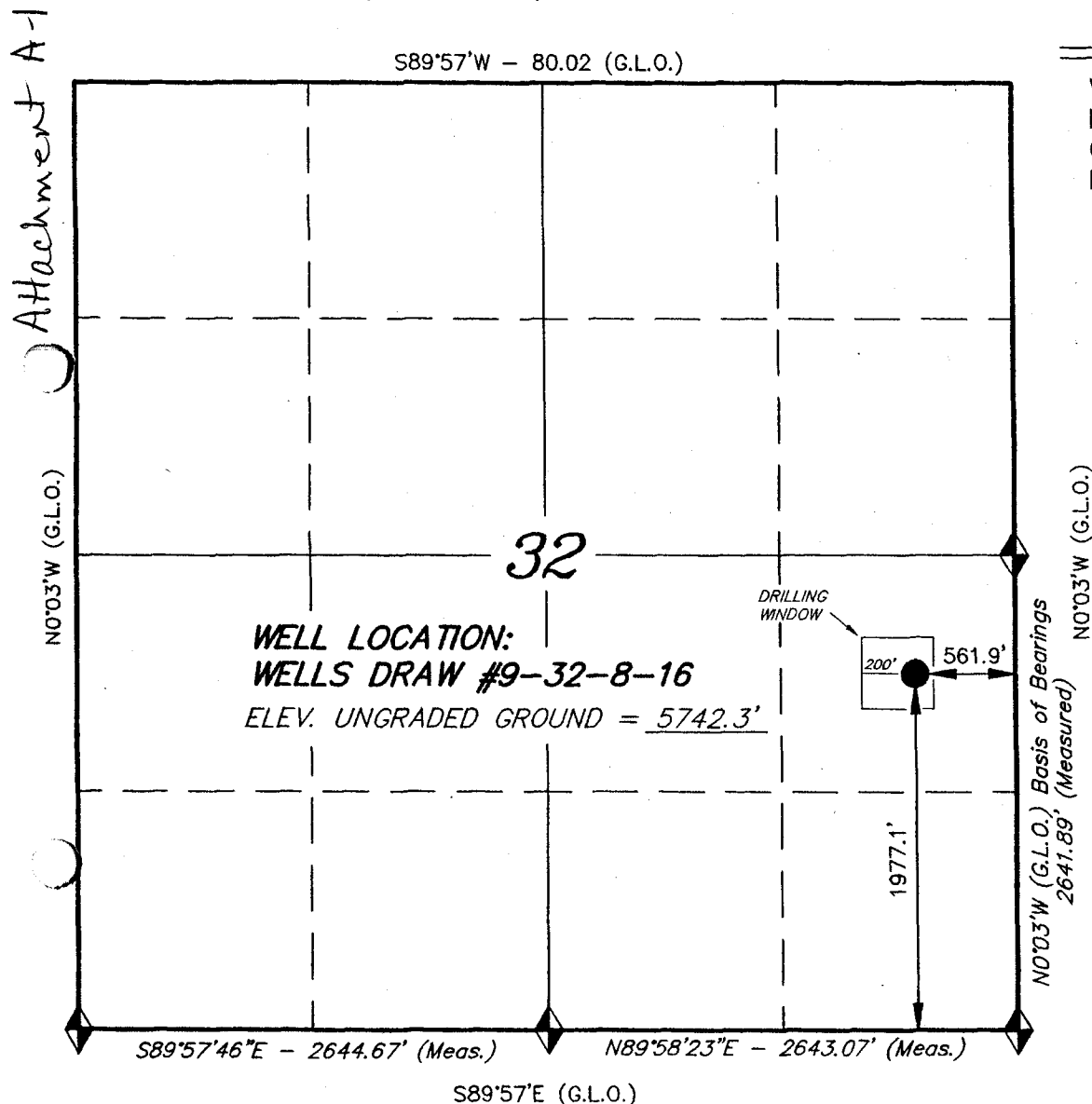
Inland Production Company will supply any requested information to the Board or Division.



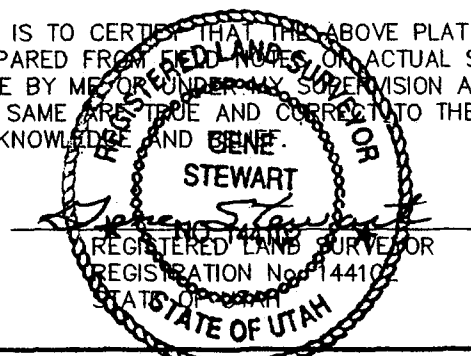
T8S, R16E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW #9-32-8-16,
LOCATED AS SHOWN IN THE NE 1/4 SE 1/4
OF SECTION 32, T8S, R16E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OR ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

SCALE: 1" = 1000'

SURVEYED BY: D.S.

DATE: 12-29-99

WEATHER: FAIR

NOTES:

FILE #

Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South Range 16 East</u> Section 4: Lots 1, 2, 3, 4, S/2N/2 Section 5: Lots 1, 2, 3, S/2NE/4, SE/4NW/4, NE/4SW/4	U-30096 HBP	Inland Production Company	(Surface Rights) USA
2	<u>Township 8 South, Range 16 East</u> Section 33: N/2	U-34173 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 8 South, Range 16 East</u> Section 33: S/2	U-49092 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 8 South, Range 16 East</u> Section 32: All	ML-21836 HBP	Inland Production Company	(Surface Rights) State of Utah

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Wells Draw State #9-32-8-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

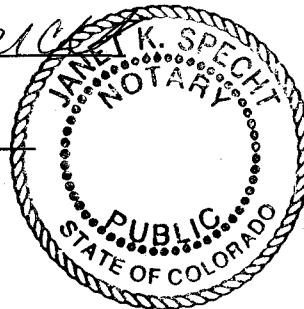
Signed: _____

Bill Pennington
Inland Production Company
Bill Pennington
Chief Financial Officer

Sworn to and subscribed before me this 5th day of MARCH, 2001.

Notary Public in and for the State of
Colorado: _____

My Commission Expires: 7/16/01



Wells Draw #9-32-8-16

Spud Date: 4/06/2000
Put on Production: 5/09/2000
GL: 5742' KB: 5752'

IP: 141 BOPD, 320 MCFD, 8 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310')
DEPTH LANDED: 312'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 11.6#
LENGTH: 142 jts. (6037.52')
DEPTH LANDED: 6035.12'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.
CEMENT TOP AT: Surface per CBL

452

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 182 jts
TUBING ANCHOR: 5759.13'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5891.78'
SN LANDED AT: 5794.51'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-1-1/2" weight bars, 10-3/4" guided rods, 127-3/4" slick rods, 90-3/4" guided rods, 1-8', 1-2' x 3/4" pony rods.
PUMP SIZE: 2" x 1-1/2" x 16" RHAC
STROKE LENGTH: 52"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/04/00 5941'-5954' **Frac CP sand as follows:**
74,500# 20/40 sand in 436 bbls Viking I-25 fluid. Perfs broke @ 4286 psi. Treated @ avg pressure of 2950 psi with avg rate of 27.5 BPM. ISIP 2075 psi; 5 min 1872 psi. Left pressure on well.

5/04/00 5603'-5726' **Frac LDC sand as follows:**
95,500# 20/40 sand in 479 bbls Viking I-25 fluid. Perfs broke @ 3785 psi. Treated @ avg pressure of 3320 psi with avg rate of 32.4 BPM. ISIP 3240 psi; 5 min 2965 psi. Flowed back on 12/64" choke for 4-1/2 hrs & died. Recovered 183 BTF.

5/05/00 5198'-5266' **Frac B sand as follows:**
74,500# 20/40 sand in 372 bbls Viking I-25 fluid. Perfs broke @ 3100 psi. Treated at avg pressure of 2500 psi @ avg rate of 26 BPM. ISIP 2780 psi; 5 min 2712 psi. Flowed back on 12/64" choke for 2-1/2 hrs & died. Recovered 77 BTF.

PERFORATION RECORD

5/04/00	5941'-5954'	4 JSPF	52 holes
5/04/00	5603'-5614'	4 JSPF	44 holes
5/04/00	5722'-5726'	4 JSPF	16 holes
5/05/00	5198'-5206'	4 JSPF	32 holes
5/05/00	5256'-5266'	4 JSPF	40 holes



Inland Resources Inc.

Wells Draw #9-32-8-16

1977 FSL 562 FEL

NE/SE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31819; Lease #ML21836

Wells Draw #15-32-8-16

Spud Date: 3/29/2000
Put on Production: 5/1/2000
GL: 5755' KB: 5765'

51 BOPD, 210 MCFD, 4
BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (306.5')
DEPTH LANDED: 304.1'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 138 jts. (6014.5')
DEPTH LANDED: 6002.5'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.
CEMENT TOP AT: Surface per CBL
922

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 179 jts
TUBING ANCHOR: 5659.92'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5792.66'
SN LANDED AT: 5695.34'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-1-1/2"x25' weight bars, 10 -3/4" guided rods, 123 - 3/4" slick rods, 90 - 3/4" guided rods, 1-6", 1-4"3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 10 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

4/19/00 5859'-5920' **Frac CP sand as follows:**
36,000# 20/40 sand in 271 bbls (20#)
Deltafrac 140. Perfs broke down @ 5600 psi. Treated @ avg press of 5344 psi w/avg rate of 12.2 BPM. ISIP 2430 psi. RD HES. Had problem with downhole tbg valve not closing--unable to move tool. Flow back frac on 16/64" & 24/64" chokes until pressure bled down

4/20/00 5552'-5566' **Frac LDC sand as follows:**
50,000# 20/40 sd in 283 bbls Deltafrac 140. Perfs broke down @ 2657 psi. Treated @ avg press of 5580 psi w/avg rate of 14.8 BPM before screening out w/7# sd on perfs. Est 45,000# sd in perfs, 5,000# sd left in tbg. Flow well back through 12/64" choke for 3-3/4 hrs & died

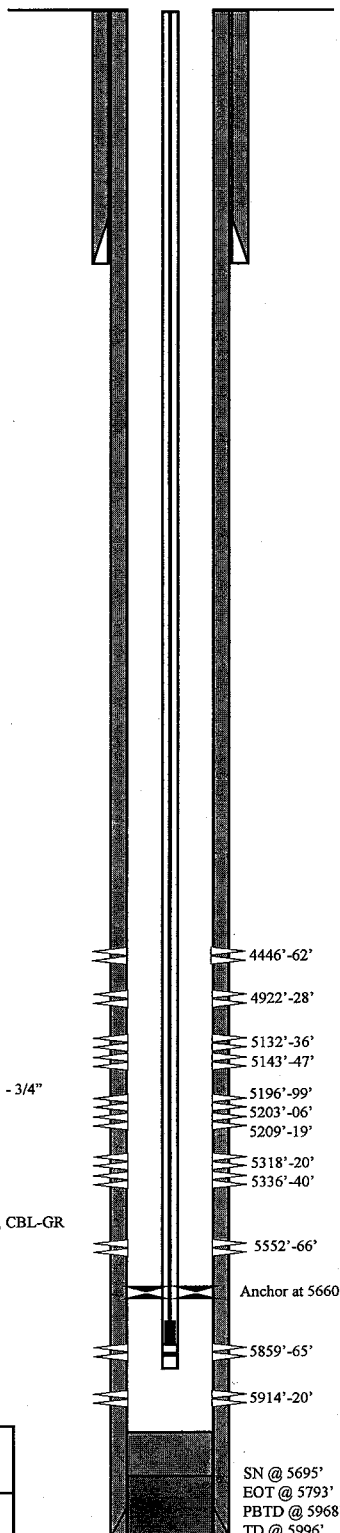
4/21/00 5318'-5340' **Frac A sand as follows:**
64,257# 20/40 sand in 332 bbls Viking I-25 fluid. Perfs broke down @ 2620 psi. Treated @ avg press of 2000 psi w/avg rate of 34 BPM. With 7# sand on perfs, pressure increased rapidly. Rate was increased & sand cut @ blender @ 8-1/2# but maximum pressure was reached before any flush water was pumped. Screened out with approx 38,257# sand in perfs and 25,000# sand left in csg.

4/22/00 4922'-5219' **Frac D sand as follows:**
5,000# 20/40 sand in 332 bbls Delta Frac 140 fluid. Perfs broke back @ 3732 psi @ 6.8 BPM. Treated @ avg press of 5900 psi w/avg rate of 15 BPM. ISIP 2410 psi, 5 min 2084 psi. RD HES. Flow back well on 12/64" choke for 2 hrs & died.

4/24/00 4446'-4462' **Frac GB sand as follows:**
5,000# sand in 364 bbls Delta Frac fluid. RD HES. Bled down frac thru 12/64" chok, est 1 BPM. Rec'd 150 bbls. Est 41% of frac. Well flowed 3-1/2 hrs

PERFORATION RECORD

4/18/00	5914'-5920'	4 JSPF	24 holes
4/18/00	5859'-5862'	4 JSPF	12 holes
4/18/00	5552'-5566'	4 JSPF	56 holes
4/18/00	5336'-5340'	4 JSPF	16 holes
4/18/00	5318'-5320'	4 JSPF	8 holes
4/18/00	5209'-5219'	4 JSPF	40 holes
4/18/00	5206'-5206'	4 JSPF	12 holes
4/18/00	5196'-5199'	4 JSPF	12 holes
4/18/00	5143'-5147'	4 JSPF	16 holes
4/18/00	5132'-5136'	4 JSPF	16 holes
4/18/00	4922'-4928'	4 JSPF	24 holes
4/18/00	4446'-4462'	4 JSPF	64 holes



Inland Resources Inc.

Wells Draw #15-32-8-16

1824 FEL 738 FSL

SWSE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31676; Lease #UTU-76787

Wells Draw #16-32-8-16

Spud Date: 4/14/2000
Put on Production: 5/19/2000
GL: 5663' KB: 5673'

IP: 121 BOPD, 383 MCFD, 30 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.87')
DEPTH LANDED: 301'
HOLE SIZE: 12-1/4"
CEMENT DATA: 161 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 140 jts. (5943.94')
DEPTH LANDED: 5941.54'
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: Surface per CBL

678

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 189 jts
TUBING ANCHOR: 5798.52'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5897'
SN LANDED AT: 5832.53'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scraped rods, 128 - 3/4" plain rods, 90 - 3/4" scraped rods, 1-8", 1-2' x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 64"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/11/00 5822'-838' **Frac CP sand as follows:**
74,500# 20/40 sand in 453 bbls Viking I-25 fluid. Perfs broke @ 3733 psi. Treated @ avg pressure of 2300 psi with avg rate of 28.3 BPM. ISIP 2625 psi; 5 min 2360 psi. Left pressure on well.

5/11/00 5269'-316' **Frac A sand as follows:**
83,500# 20/40 sand in 472 bbls Viking I-25 fluid. Perfs broke @ 3943 psi. Treated @ avg pressure of 2050 psi with avg rate of 28.3 BPM. ISIP 2230 psi; 5 min 2144 psi. Flowed back on 12/64" choke for 3 hrs & died. Rec 107 BTF.

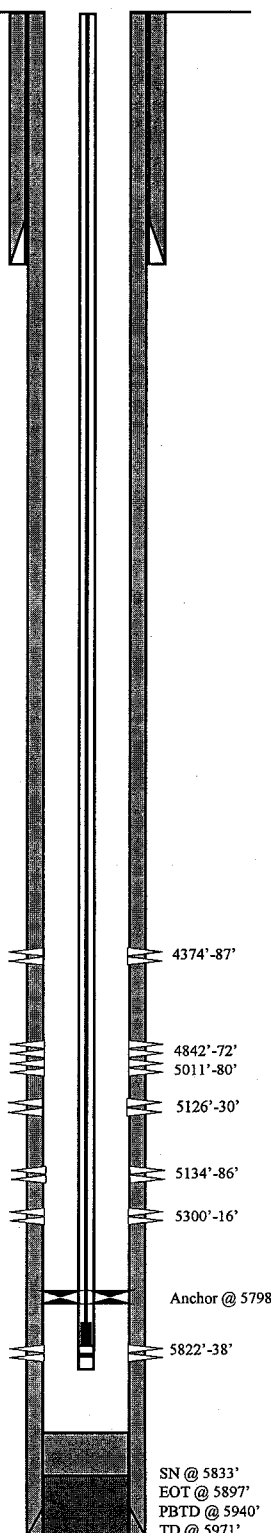
5/12/00 5011'-146' **Frac C/B sand as follows:**
105,000# 20/40 sand in 578 bbls Viking I-25 fluid. Perfs broke @ 1805 psi. Treated @ avg pressure of 1900 psi @ avg rate of 35.3 BPM. ISIP 2490 psi; 5 min 2435 psi. Left pressure on well.

5/13/00 4842'-872' **Frac D sand as follows:**
77,000# 20/40 sand in 467 bbls Viking I-25 fluid. Perfs broke @ 1960 psi. Treated @ avg pressure of 2000 psi with avg rate of 27.5 BPM. ISIP 2330 psi; 5 min 2260 psi. Left pressure on well.

5/13/00 4374'-387' **Frac GB sand as follows:**
60,500# 20/40 sand in 384 bbls Viking I-25 fluid. Perfs broke @ 4120 psi. Treated @ avg pressure of 2250 psi @ avg rate of 27.5 BPM. ISIP 2570 psi; 5 min 2506 psi. Flow back on 12/64" choke for 3-1/2 hrs & died. Rec 128 BTF.

PERFORATION RECORD

5/13/00	4374'-80'	4 JSPF	24 holes
5/13/00	4383'-87'	4 JSPF	16 holes
5/13/00	4842'-46'	2 JSPF	8 holes
5/13/00	4854'-64'	2 JSPF	20 holes
5/13/00	4868'-72'	2 JSPF	8 holes
5/12/00	5011'-17'	2 JSPF	12 holes
5/12/00	5072'-75'	2 JSPF	6 holes
5/12/00	5078'-80'	2 JSPF	4 holes
5/12/00	5126'-30'	2 JSPF	8 holes
5/12/00	5134'-46'	2 JSPF	24 holes
5/11/00	5269'-73'	2 JSPF	8 holes
5/11/00	5275'-86'	2 JSPF	22 holes
5/11/00	5300'-10'	2 JSPF	20 holes
5/11/00	5312'-16'	2 JSPF	8 holes
5/11/00	5822'-38'	4 JSPF	64 holes



Inland Resources Inc.

Wells Draw #16-32-8-16

601 FSL 544 FEL

SE/SE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31817; Lease #ML21836

State #23-32-8-16

Spud Date: 12/10/84
Put on Production: 1/29/85
GL: 5750' KB: 5765'

Initial Production: 15 BOPD,
15 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: ?
WEIGHT: 24#
DEPTH LANDED: 292'
HOLE SIZE: 10-3/4"
CEMENT DATA: Cmt to sfc

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: ?
WEIGHT: 17#
DEPTH LANDED: 6202' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 415 sx gypseal

3732

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 193 jts.
TUBING ANCHOR: @ 5808' KB
SEATING NIPPLE: 1.10' x 2-7/8"
TOTAL STRING LENGTH: EOT @ 5843.45' KB
SN LANDED AT: 5810' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
PONY RODS: 1 - 8', 1 - 6', 1 - 2', x3/4" pony, 223 - 3/4" plain, 2 - 3/4" scraped, 4 - 1-1/2" weight rods, 1 - 8' x 1-1/2" pony rod
PUMP SIZE: 2-1/2" X 1-1/2" X 13 X 15' AXELSON
STROKE LENGTH: 78"
PUMP SPEED, SPM: 5 SPM
LOGS: DLL-MSFL, FDC-CNL CBL/CCL

ROD DETAIL

1-1/2" x 22' POLISHED ROD
1-8'; 1-6'; 1-4'; 1-2' x 3/4" PONY RODS
204 - 3/4" PLAIN RODS
21 - 3/4" SCRAPERED RODS
4 - 1-1/2" WEIGHT RODS
2-1/2" x 1-1/2" x 15' RHAC PUMP

FRAC JOBS

1/12/85	5872'-5928'	Frac w/10,000 gal pad, 22,000 gal gelled 5% KCL wtr w/121,000# 20/40 sd, 144 bbls flush.
3/14/85	5570'-5593'	Frac w/300,000# 20/40 sd in 76,000 gal frac. 134 bbls 3% KCL wtr w/claystay flush. Max tbg press 3060 psi @ 51.5 bpm. Avg tbg press 2680 psi @ 50 bpm. ISIP 1930, 5 min 1750 psi, 10 min 1690, 15 min 1630. Flowback on 22/64" ck. Flowed 15 bbls load wtr in 1 hr.
6/13/00	4929'-5038'	Frac w/78,781# 20/40 sd in 425 bbls Viking I-25 fluid. ATP 3200 psi; ATR 42 BPM. Screened out w/7.9# sand on perfs. Est. 64,014# sand in formation.
6/13/00	4453'-4466'	Frac w/37,495# 20/40 sand in 310 bbls Viking I-25 fluid. ATP 2300 psi; ATR 19.1 BPM. Flow back on 12/64" choke for 2-1/2 hrs. Rec. 103 BTF.

PERFORATION RECORD

5570'-5593'	1/10/85	5912'-5928'	1 SPF	16 holes
5612'-5624'	1/10/85	5872'-5888'	1 SPF	16 holes
5635'-5648	3/11/85	5682'-5718'	1 SPF	36 holes
5662'-5672'	3/11/85	5662'-5672'	1 SPF	10 holes
5682'-5718'	3/11/85	5635'-5648'	1 SPF	26 holes
	3/11/85	5612'-5624'	1 SPF	12 holes
	3/11/85	5570'-5593'	1 SPF	23 holes
TA @ 5808' KB	6/06/00	4929-4935'	4 SPF	24 holes
	6/06/00	5029'-5038'	4 SPF	36 holes
	6/13/00	4453'-4466'	4 SPF	52 holes

5872'-5888'

5912'-5928'

EOT 5843' KB

Fill @ 5948' on 6/06/00

PBTD 5970' KB

TD @ 6200' KB



Inland Resources Inc.

State #23-32

Celsius Energy Co.

1909' FSL 2030' FWL

NESW Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31041; Lease #ML-21836

Revised

6/21/00

State #32-32

Spud Date: 9/26/84
Put on Production: 11/8/84
GL: 5711' KB: 5726'

Initial Production: 98 BOPD,
50 MCFPD, 18 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 290'
HOLE SIZE: 12-1/4"
CEMENT DATA: 190 sxs Class "A" 2% CACL 2 AND 1/4# FLOCELE

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 6196'
HOLE SIZE: 7-7/8"
CEMENT DATA: 415 sxs Class "G" 10% Gypseal

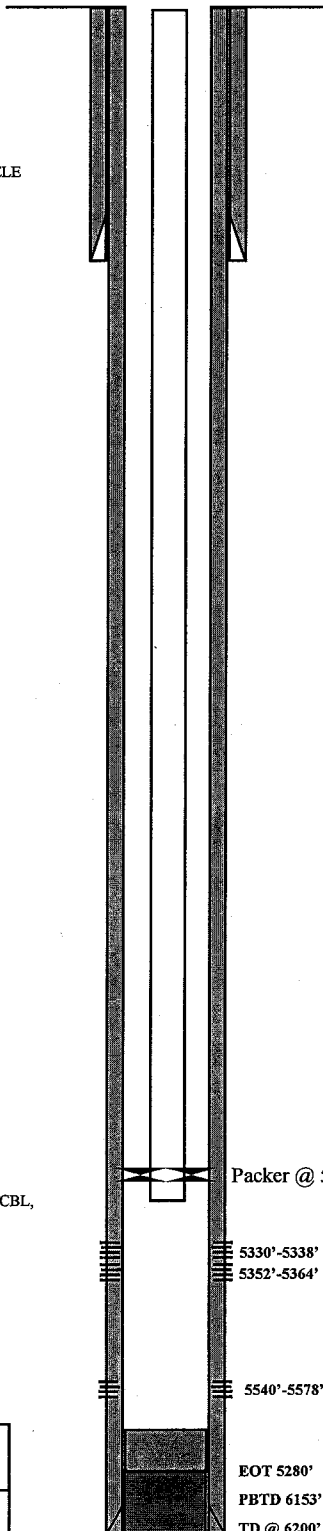
3872

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172
PACKER: 5279'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: 5280'
SN LANDED AT: 5278'

SUCKER RODS

POLISHED ROD:
PONY RODS:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: FDC, CNL, DLL, MICRO SFL 6200-3500', GAMMA RAY, CBL, CCL

Proposed Injection
Wellbore DiagramFRAC JOB

10/15/84	5540'-5578'	Frac w/17,000 gal pad, 35,000 gal gelled 5% KCL & 20/40 mesh sand.
3/28/85	5330'-5364'	Frac w/126,200# 20/40 sd in 31,650 gal frac. 130 bbls flush. Max press 2670 @ 30 bpm. Avg press 1950 @ 30 bpm. ISIP 2210, 5 min 1810, 10 min 1650, 15 min 1590.

PERFORATION RECORD

3/27/85	5330'-5338'	2 SPF	16 holes
3/27/85	5352'-5364'	2 SPF	24 holes
10/15/84	5540'-5578'	1 SPF	39 holes

Packer @ 5279'

5330'-5338'
5352'-5364'

5540'-5578'

EOT 5280'
PBT 6153'
TD @ 6200'



Inland Resources Inc.

State #32-32

Celsius Energy Co.

2140 FNL 1980 FEL

SWNE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-30993; Lease #ML-21836

State #33-32

Spud Date: 2/3/87
Put on Production: 3/16/87
GL: 5757' KB: 5772'

Wellbore Diagram

Initial Production: 18 BOPD, 16 MCFD, 0 BWPD

IP (5/19/00): 11 BOPD, 13 MCFD, 28 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: ?
WEIGHT: 32#
DEPTH LANDED: 316'
HOLE SIZE: 12-1/4"
CEMENT DATA: 215 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: ?
WEIGHT: 17#
DEPTH LANDED: 5850'
HOLE SIZE: 7-7/8"
CEMENT DATA: 465 sxs 50-50 Poz

3573

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#
NO. OF JOINTS: 178
TUBING ANCHOR: 5504'
SEATING NIPPLE: 1.10'
EOT @ 5666.08' w/ 15' KB
SN LANDED AT: 5633'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
PONY RODS: 1-8' x 3/4" pony rod; 209-3/4" plain rods; 10 3/4" plain rods;
4 1-1/2" weight rods.
PUMP SIZE: Axelson 2-1/2" x 1-1/2" x 15.5' RHAC Pump.
STROKE LENGTH: 64"
PUMP SPEED, SPM: 3.5
LOGS: FDC, CNL, DLL, MSFL, Gamma Ray, Bond Log

FRAC JOBS

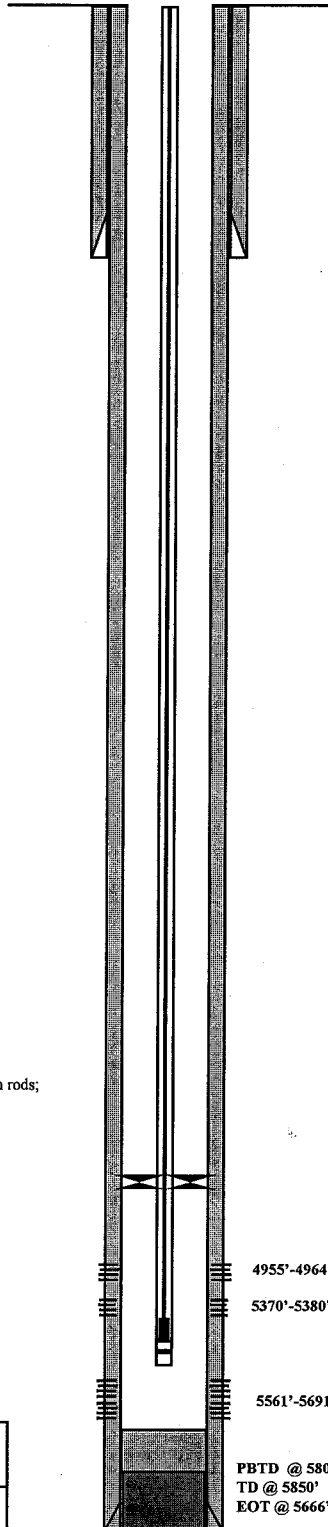
3/06/87 5561'-5691' Frac w/152,000# 20/40 sd in 32,700 gal frac. 130 bbl flush. Avg rate 30 bpm. Avg press 2610, max press 3810. ISIP 3750, 5 min 2400, 10 min 2240, 15 min 2190.
4/28/87 5370'-5380' Frac w/64,000# 20/40 sd in 17,000 gal frac. Break dn @ 3000 psi. 45 bbl flush. Well sandered off, left 2500 gal 8# per gal in csg. Avg press 2100, avg rate 21 bpm.
4/29/87 4955'-4964' Frac w/64,000# 20/40 sd in 17,000 gal frac. Break dn @ 1350 psi. 115 bbls flush. Avg. press 2100, avg rate 20 bpm. Flow to tank @ 20 bph, flowed 110 bbls and died.

RECOMPLETION

05-13-00 5561'-5691' Re-frac LDC Sands as follows: 75,937# of 20/40 sand in 527 bbls Viking I-25 frac gel. Perfs broke at 6300 psi. Treated at avg pres of 7400 psi with average rate of 24 BPM. ISIP 3610 psi; 5 min 3350 psi. Flow well back on 12/64" choke; flowed 1-12/ hrs & died.
05-16-00 5370-5380' Re-frac A sands as follows: 48,048# 20/40 sand in 300 bbls Viking I-25 fluid. Perfs broke at 4000 psi. Treated at average press of 7000 psi with average rate of 23.8 BPM. ISIP 2400 psi; 5 min 2185 psi. Flowed back through 12/64" choke for 1-12/ hrs & died. Recovered 75 BTF.
05-16-00 4955'-4964' Re-frac D sand as follows: 46,500# of 20/40 sand in 363 bbls Viking I-25 fluid. Perfs broke at 1717 psi. Treated at average press of 2800 psi with average rate of 25.5 BPM. ISIP 3008 psi; 5 min 2698 psi. Flowed back on 12/64" choke for 3 hrs & died. Recovered 133 BTF.

PERFORATION RECORD

3/05/87 5561'-5572' 2 SPF 22 holes
3/05/87 5594'-5596' 2 SPF 4 holes
3/05/87 5606'-5610' 2 SPF 8 holes
3/05/87 5640'-5651' 2 SPF 22 holes
3/05/87 5658'-5670' 2 SPF 24 holes
3/05/87 5676'-5679' 2 SPF 6 holes
3/05/87 5689'-5691' 2 SPF 4 holes
4/28/87 5370'-5380' 4 SPF 40 holes
4/29/87 4955'-4964' ? SPF ? holes



Inland Resources Inc.

State #33-32

2019' FEL 1978' FSL

NWSE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31185; Lease #ML-21836

Travis Federal #5-33

Well History:

10-25-94 Spud Well

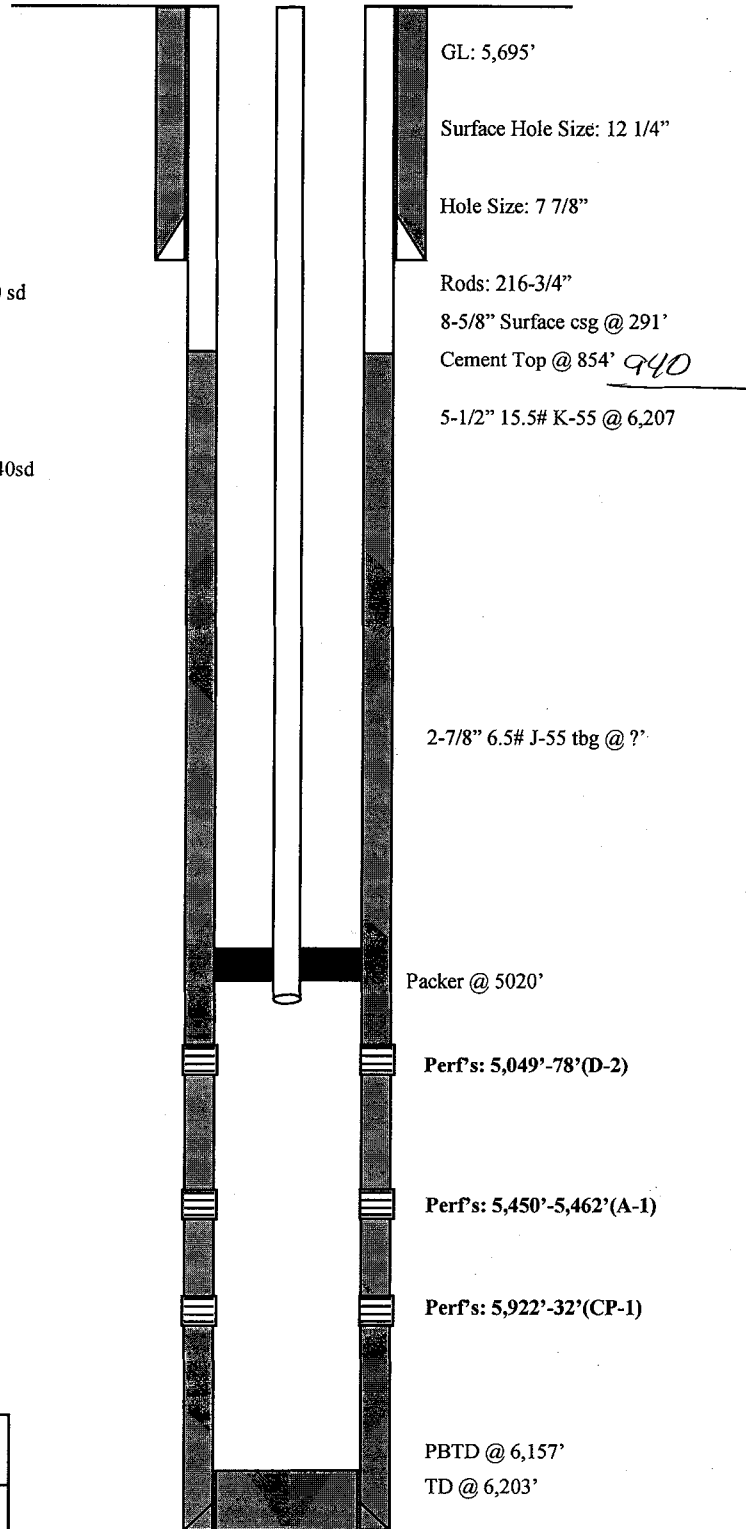
11-28-94 Perf: 5,922'-5,932'
Frac CP-1 zone as follows:
Breakdown w/ 92 bbls
2% KCl w/ 60 1.3 ball sealers

11-29-94 Perf: 5,450'-5,462'

11-30-94 Frac A-1 zone as follows:
Totals 418 BF, 35,000# 20/40 sd
Max TP 2,450 @ 37 BPM
Avg TP 2,050 @ 29 BPM
ISIP 2,050, after 5 min 1,860

12-1-94 Perf: 5,049'-5,078'

12-2-94 Frac D-2 zone as follows:
Totals, 892 bbls, 49,000# 20/40sd
41,000# 16/30sd
Max TP 2,300
Avg TP 1,850
ISIP 1,740, after 5 min. 1,270

Proposed Injection
Diagram

Inland Resources Inc.

Travis Federal #5-33

1980 FNL 660 FWL

SWNW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31435; Lease #U-34173

Federal #13-33B

Spud Date: 6/22/90
Put on Production: 10/3/90
GL: 5710' KB: 5725'

Initial Production: 116 BOPD,
0 MCFPD, 181 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: ?
DEPTH LANDED: 306' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 sx Class "G" cmt w/2% CaCl₂

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: ?
HOLE SIZE: 7-7/8"
CEMENT DATA: Lead 180 sx Hi-Lift, tail w/445 10-0 RFC
CEMENT TOP AT: 970' 3044
SET AT: 6384'

TUBING

SIZE/GRADE/WT: 2-7/8" 8rd 6.5# J-55
NO. OF JOINTS: 190 jts
TUBING ANCHOR: 2.80' @ 5893.93' KB
2 jts. 62.27'
SEATING NIPPLE: 1.10' @ 5959.00' KB
1 jt 31.42'
NC .45' @ 5991.97' KB

SUCKER RODS

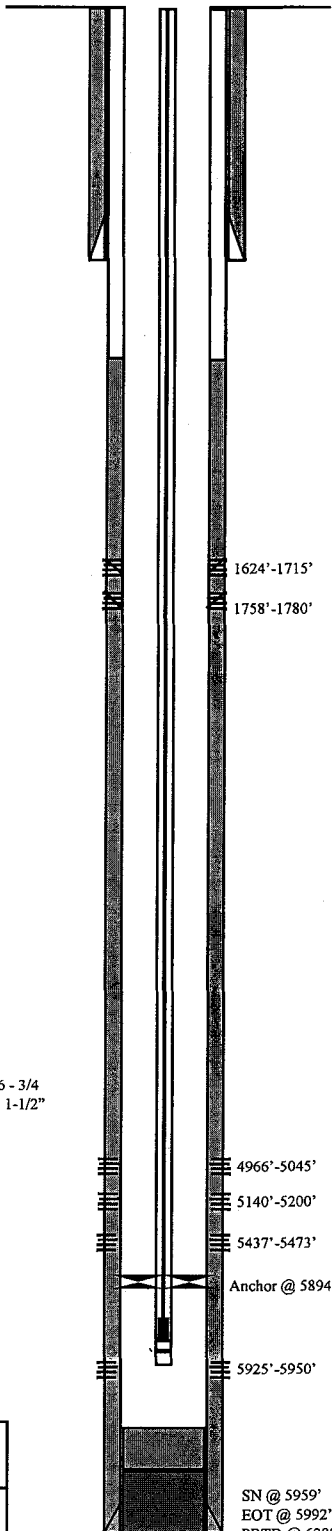
POLISHED ROD: 1-1/2"x 22'
SUCKER RODS: 1 - 6', 1 - 4'x7/8" pony rods, 91 - 7/8" scraped, 126 - 3/4" plain, 8 - 3/4" scraped, 4 - 3/4" plain rods, 4 - 3/4" scraped rods, 4 - 1-1/2" weight rods.
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER:
PUMP SIZE: 2-1/2"x1-1/2"x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS: DIGL, CDL-DSN, CBL

FRAC JOB

5925'-5950' 29,100# 20/40, 43,000# 16/30.
5437'-5473' 47,000# 20/40, 68,000# 16/30.
4966'-5045' 81,600# 20/40, 101,400# 16/30.
1758'-1780' Acidize w/3000 gal 15% HCl acid w/Cla-Sta & iron seq. Perfs broke @ 2027 psi, avg 15 bpm, 2200 psi avg press, 3850 psi max press. Run 130 balls, good ball action.
1624'-1715' Pump 6000 gal 15% HCl acid w/Cla-Sta & iron seq & 225 ball sealers, very little ball action. Well was on vac @ end of treatment.
5140'-5200' Frac w/118,300# 20/40 sd in 508 bbls Delta Frac. Perfs broke dn @ 3960 psi. Treated @ ave sfc press of 6700 psi w/ave rate of 27 bpm. ISIP: 2345 psi, 5 min: 1875 psi. Flowback on 12/64" choke for 1-1/2 hrs & died. Rec 19 BTF (est 4% of load).

PERFORATION RECORD

5925'-5950'	4 JSPF	100 holes
5462'-5473'	4 JSPF	44 holes
5437'-5449'	4 JSPF	48 holes
5036'-5045'	4 JSPF	36 holes
5017'-5028'	4 JSPF	44 holes
4973'-4984'	4 JSPF	44 holes
4966'-4971'	4 JSPF	20 holes
1758'-1780'	4 JSPF	88 holes Squeezed 4/10/94
1704'-1715'	4 JSPF	44 holes Squeezed 4/10/94
1688'-1696'	4 JSPF	32 holes Squeezed 4/10/94
1668'-1678'	4 JSPF	40 holes Squeezed 4/10/94
1624'-1642'	4 JSPF	72 holes Squeezed 4/10/94
5191'-5200'	4 JSPF	36 holes 3/11/98 Halliburton
5140'-5147'	4 JSPF	28 holes 3/11/98 Halliburton



SN @ 5959'
EOT @ 5992'
PBD @ 6289'
TD @ 6384'



Inland Resources Inc.

Federal #13-33B

1972'-FSL 652 FWL

NWSW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31277; Lease #U-49092

Federal #14-33B

Spud Date: 6-7-89
 Put on Injection: 1/11/95
 GL: 5651' KB: 5663'

Injection Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: ?
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 225 sx Class "G" cmt

PRODUCTION CASING

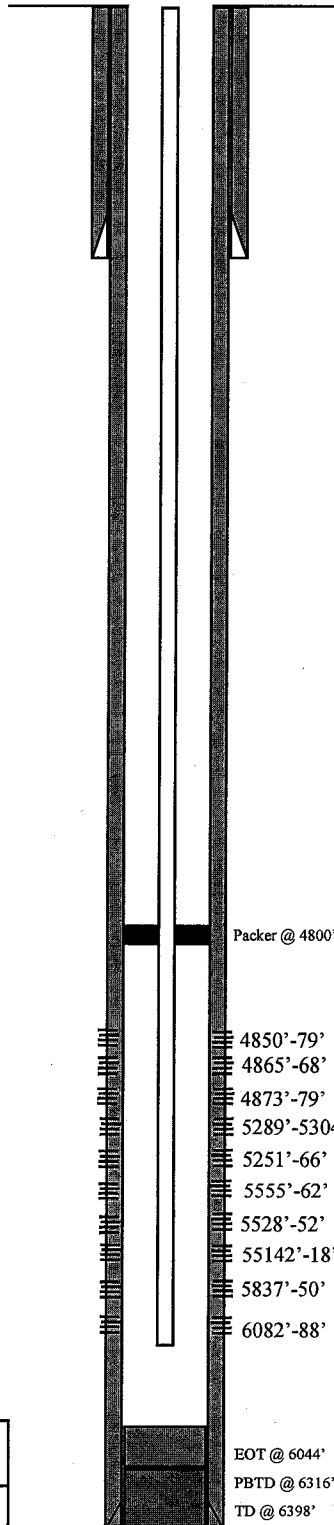
CSG SIZE: 5-1/2"
 GRADE: K-55, N-80
 WEIGHT: 17#
 LENGTH: ?
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 521 sx Hi-Lift & 502 Class "G"
 CEMENT TOP AT: 700' 3228
 SET AT: 6398'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: ? jts
 TUBING ANCHOR: 4791'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: ?
 SN LANDED AT: ?

FRAC JOB

7-31-89	6082'-6088'	35,750# 20/40 sand, 21,450# 16/30 sand, 719 bbls.
8-1-89	5837'-5850'	42,250# 20/40 sand, 25,350# 16/30 sand, 761 bbls. Avg rate of 37 BPM. ISIP-2000 psi, 15 min 1770 psi.
8-4-89	5514'-5562'	81,250# sand, 48,750# 16/30 sand, 1462 gals. Avg rate of 45 BPM. ISIP-2400 psi, 15 min 2250 psi.
8-10-89	5251'-5304'	65,000# 20/40 sand, 35,000# 16/30 sand, and 1175 bbls. Avg rate of 45 BPM w/avg press of 2400 psi. ISIP-2200 psi, 15 min 1850 psi.
8-13-89	4850'-4879'	48,750# 20/40 sand, 21,250# 16/30 sand, 862 bbls. ISIP-2400 psi, 15 min 1500 psi. Avg rate of 42 BPM.

PERFORATION RECORD

7-30-89	6082'-6088'	4 JSPF	24 holes
8-1-88	5837'-5850'	4 JSPF	52 holes
8-3-88	5514'-5518'	4 JSPF	16 holes
8-3-88	5528'-5552'	4 JSPF	96 holes
8-3-88	5555'-5562'	4 JSPF	28 holes
8-8-88	5251'-5266'	4 JSPF	60 holes
8-8-88	5289'-5304'	4 JSPF	60 holes
8-13-88	4850'-4862'	4 JSPF	48 holes
8-13-88	4865'-4868'	4 JSPF	12 holes
8-13-88	4873'-4879'	4 JSPF	24 holes



Inland Resources Inc.

Federal #14-33B

500 FWL 600 FSL

SWSW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31229; Lease #U-49092

Federal #23-33B

Spud Date: 12/18/89
Put on Production: 2/23/90
GL: 5640' KB: 5653'

Initial Production: 60 BOPD, 0 MCFD
100 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 JTS (283')
DEPTH LANDED: 300'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sks Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 151 jts (6402')
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sks Hi-Lift & 575 sks 10-0 RFC
CEMENT TOP AT: 3234
SET AT: 6402'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 187 jts
TUBING ANCHOR: 4861'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: ?
SN LANDED AT: 5865

SUCKER RODS

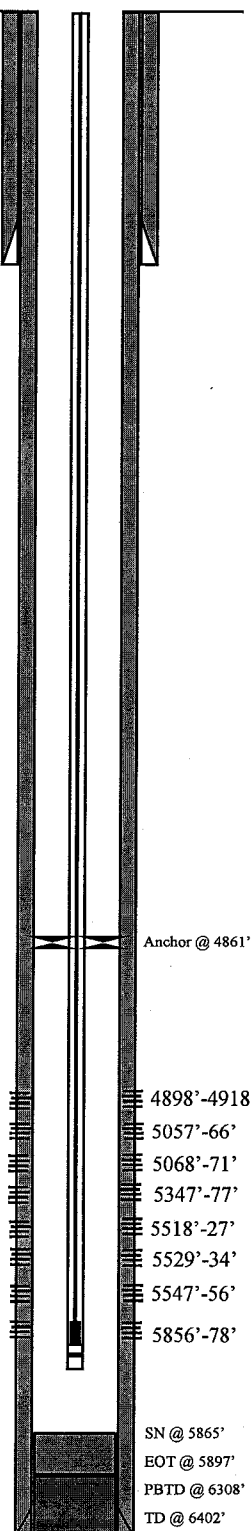
POLISHED ROD: 1-1/2"x22'
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE: 2-1/2"x1-3/4"x16" RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: DIL/FDC/CNL/GR
CBL/VDL

FRAC JOB

1-27-90	5856'-5878'	36,000# 20/40 sand, 42,500# 16/30 sand, and 78,500# ttl sd. Avg TP 2100 psi. ISIP-2000 psi, 15 min 1817 psi.
1-30-90	5518'-5556'	36,000# 20/40 sand, 38,000# 16/30 sand and 74,000# ttl sd. Avg TP 3000 psi. ISIP-2985 psi, 15 min 2715 psi.
2-1-90	5347'-5377'	78,000# 20/40 sand, 78,000# 16/30 sand, and 156,000 ttl sd. Avg TP 1900 psi. ISIP-1750 psi, 15 min 1450 psi.
2-3-90	5057'-5071'	21,000# 20/40 SAND, 24,000# 16/30 sand, and 45,000# sd ttl. Screened out 74 bbls into flush. ATP 2200 psi.
2-6-90	4898'-4918'	1307 bbls w/ 51,000# 20/40 sand and 51,000# 16/30 sand. BDP 2060 @ 2 BPM. Inc rate to 20 BPM. Press broke @ 3500 psi. Inc rate to 40 BPM @ 2140 psi.

PERFORATION RECORD

1-24-90	5856'-5878'	4 JSPF	88 holes
1-30-90	5518'-5527'	4 JSPF	36 holes
1-30-90	5529'-5534'	4 JSPF	20 holes
1-30-90	5547'-5556'	4 JSPF	36 holes
1-31-90	5347'-5377'	4 JSPF	120 holes
2-2-90	5057'-5066'	4 JSPF	36 holes
2-2-90	5068'-5071'	4 JSPF	12 holes
2-4-90	4898'-4918'	4 JSPF	80 holes



SN @ 5865'
EOT @ 5897'
PBTD @ 6308'
TD @ 6402'



Inland Resources Inc.

Federal #23-33B

1653 FSL 1888 FWL

NESW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31251; Lease #U-49092

Spud Date: 3/24/88
 Put on Injection: 1/11/95
 GL: 5728' KB: 5743'

Federal #41-5G

Injection Diagram

Initial Production: 30 BOPD, 0
 MCFPD, 33 BWPD

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 43.5#
 LENGTH: 7
 DEPTH LANDED: 304'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: N-80
 WEIGHT: 17#, 20#, 23#
 NO OF JTS: 192
 LENGTH: 6020'
 DEPTH LANDED: 6038'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 602 sx Class "G"

1626

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55

LOGS: DIL/SFL/FDC/CNL/CBL

FRAC JOB

5813'-5859'	27,300 gal, 78,000# 20/40
5490'-5512'	36,250 gal, 90,600# 20/40
4886'-4911'	40,000 gal, 90,800# 20/40
4415'-4429'	17,800 gal, 51,400# 20/40

4415'-29', sqz w/25 sx cmt

PERFORATION RECORD

5852'-5859'	2 JSPF	14 holes
5813'-5826'	2 JSPF	26 holes
5500'-5512'	4 JSPF	48 holes
5490'-5498'	4 JSPF	32 holes
4906'-4911'	4 JSPF	20 holes
4899'-4904'	4 JSPF	20 holes
4886'-4898'	4 JSPF	48 holes
4421'-4429'	4 JSPF	32 holes
4415'-4420'	4 JSPF	20 holes

Packer @ 4825'

4886'-4911'

5490'-5512'

5813'-59'

EOT @ 4825'

PBTD @ 5977'

TD @ 6040'



Inland Resources Inc.

Federal #41-5G

516 FEL 632 FNL

NESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31205; Lease #U-30096

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Attachment F
Page 1 of 2Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company INLAND PRODUCTION Address _____ Date 2/27/01
 Source Wells Draw 9-32-8-16 Date Sampled 2/26/01 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.4</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.018</u>		
4. Dissolved Solids		<u>19,603</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>732</u>	÷ 61 <u>12</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>11,300</u>	÷ 35.5 <u>319</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>60</u>	÷ 20 <u>3</u> Ca
11. Magnesium (Mg)	Mg	<u>36</u>	÷ 12.2 <u>3</u> Mg
12. Total Hardness (CaCO ₃)		<u>300</u>	
13. Total Iron (Fe)		<u>2.8</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Eq. Wt.	X	Meg/l	=	Mg/l
<div> <div>3</div> <div>3</div> <div>325</div> </div> <div> <div>Ca</div> <div>Mg</div> <div>Na</div> </div> <div> <div>HCO₃</div> <div>SO₄</div> <div>Cl</div> </div> <div> <div>12</div> <div>0</div> <div>319</div> </div>	Ca(HCO ₃) ₂	81.04	<u>3</u>			<u>243</u>
	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17	<u>3</u>			<u>220</u>
	MgSO ₄	60.19				
	MgCl ₂	47.62				
	NaHCO ₃	84.00	<u>6</u>			<u>504</u>
	Na ₂ SO ₄	71.03				
	NaCl	58.46	<u>319</u>			<u>18,642</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time—Mar. 1.—10:45AM

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO
LOCATION:
SYSTEM:

2-28-2001

WATER DESCRIPTION:	JOHNSON WATER	WELLS DRAW 9-32-8-16
P-ALK AS PPM CaCO ₃	0	0
M-ALK AS PPM CaCO ₃	393	1201
SULFATE AS PPM SO ₄	130	0
CHLORIDE AS PPM Cl	71	11300
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	180	150
MAGNESIUM AS PPM CaCO ₃	169	148
SODIUM AS PPM Na	46	7475
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	19603
TEMP (DEG-F)	100	100
SYSTEM pH	7.4	8.4

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND WELLS DRAW 9-32-8

CONDITIONS: pH=7.9. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% Water	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.83	48	0	0	0
90	.80	48	0	0	0
80	.76	46	0	0	0
70	.71	45	0	0	0
60	.65	42	0	0	0
50	.59	40	0	0	0
40	.52	37	0	0	0
30	.51	36	0	0	0
20	.49	34	0	0	0
10	.47	33	0	0	0
0	.44	31	0	0	0

Attachment "G"

**Wells Draw Federal #9-32-8-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5198	5266	5232	2780	0.96	2751
5603	5726	5665	3240	1.00	3193
5941	5954	5948	2075	0.78	2060
			Minimum		<u>2060</u>



Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



Attachment G-1
Page 1 of 3

DAILY COMPLETION REPORT

WELL NAME: Wells Draw 9-32-8-16 Report Date: 5/5/00 Completion Day: 02(a)
Present operation: Perf/Breakdown/swab down/frac & flowback LDC sds Rig: KES #57

WELL STATUS

Surf Csg: 8 5/8 @ 310' Production csg: 4 1/2" 11.6# J-55 @ 6035' Csg PBTD: 6012'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT: 0 BP/Sand PBTD: 6012'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP sds	5941-5954'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-May-00 SITP: SICP: 0

NU BJ Services "Ram head" flange to BOP. RU Schlumberger and perf CP sds @ 5941-54' W/ 4 JSPF. RU BJ Services and frac CP sds W/ 74,500# 20/40 sand in 436 bbls Viking I-25 fluid. Hole filled W/ 85 bbls. Perfs broke dn @ 4286 psi. Treated @ ave press of 2950 psi W/ ave rate of 27.5 BPM. ISIP-2075 psi, 5 min-1872 psi. Leave pressure on well. Est 443 BWTR (includes 7 bbls ahead of frac).

See day 2(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered:	0	Starting oil rec to date:	0		
Fluid lost/recovered today:	443	Oil lost/recovered today:	0		
Ending fluid to be recovered:	443	Cum oil recovered:	0		
IFL:	FFL:	FTP:	Choke:	Final Fluid Rate:	Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

3000 gals of pad
1000 gals W/ 1-6 ppg of 20/40 sand
9000 gals W/ 6-8 ppg of 20/40 sand
1508 gals W/ 8 ppg of 20/40 sand
Flush W/ 3822 gallons of slick water

COSTS

KES rig	\$1,545
BOP	\$130
Schlumberger (CP)	\$1,384
BJ-CP frac	\$20,589
IPC Supervision	\$100

Max TP: 4286 Max Rate: 28 BPM Total fluid pmpd: 436 bbls
Avg TP: 2950 Avg Rate: 27.5 BPM Total Prop pmpd: 74,500#
ISIP: 2075 5 min: 1872 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$23,748
TOTAL WELL COST: \$180,381



Attachment G-1
Page 2 of 3

DAILY COMPLETION REPORT

WELL NAME: Wells Draw 9-32-8-16 Report Date: 5/5/00 Completion Day: 02(b)
Present operation: Perf/Breakdown/swab down/frac & flowback B sds Rig: KES #57

WELL STATUS

Surf Csg: 8 5/8 @ 310' Production csg: 4 1/2" 11.6# J-55 @ 6035' Csg PBTD: 6012'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT: 0 BP/Sand PBTD: 5790'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC sds	5603-5614'	4/44			
LDC sds	5722-5726'	4/16			
CP sds	5941-5954'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-May-00 SITP: SICP: 1872

RU Schlumberger and run Arrow 4 1/2" "HE" RBP. Set plug @ 5790'. Bleed pressure off well. Rec est 2 BTF. Perf LDC sds @ 5603-14' & 5722-26' W/ 4 JSPF. RD WLT. ND Ram head flange. TIH W/ 4 1/2" HD pkr & tbg. Tbg displaced 9 BW on TIH. Set pkr @ 5658". Break down perfs 5722-26' (down tbg) @ 3700 psi. Get IR of .7 BPM @ 2800 psi. Breakdown perfs 5603-14' (down csg) @ 2400 psi. Get IR of 1.7 BPM @ 1800 psi. Used 2 BW. Release pkr. RU swab equip. IFL @ sfc. Made 8 swb runs rec 62 BTF W/ tr oil & gas. FFL @ 4400'. TOH W/ tbg & pkr. NU Frac flange. RU BJ Services and frac LDC sds W/ 95,500# 20/40 sd in 479 bbls Viking I-25 fluid. Perfs broke back @ 3785 psi @ 4.5 BPM. Treated @ ave press of 3320 psi W/ ave rate of 32.4 BPM. ISIP-3240 psi, 5 min-2965 psi. RD BJ. Flowback LDC frac on 12/64" choke for 4 1/2 hrs & died. Rec 183 BTF (est 38% of frac load). SIFN W/ est 668 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered:	<u>443</u>	Starting oil rec to date:	<u>0</u>
Fluid lost/recovered today:	<u>225</u>	Oil lost/recovered today:	<u>0</u>
Ending fluid to be recovered:	<u>668</u>	Cum oil recovered:	<u>0</u>
IFL: <u>sfc</u> FFL: <u>4400'</u> FTP: <u></u>		Choke: <u>12/64</u> Final Fluid Rate: <u></u>	Final oil cut: <u>TR</u>

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

3000 gals of pad
1000 gals W/ 1-6 ppg of 20/40 sand
12000 gals W/ 6-8 ppg of 20/40 sand
566 gals W/ 8 ppg of 20/40 sand
Flush W/ 3570 gallons of slick water

COSTS

KES rig	\$1,545
HE RBP rental	\$600
Schlumberger (LDC)	\$1,720
BJ--LDC frac	\$21,711
IPC Supervision	\$100

Max TP: 3971 Max Rate: 34.6 BPM Total fluid pmpd: 479 BBLs

Avg TP: 3320 Avg Rate: 32.4 BPM Total Prop pmpd: 95,500#

ISIP: 3240 5 min: 2965 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$25,676

TOTAL WELL COST: \$206,057



Attachment G-1
Page 3 of 3

DAILY COMPLETION REPORT

WELL NAME: Wells Draw 9-32-8-16 Report Date: 5/6/00 Completion Day: 03
Present operation: Pull plugs / C/O PBTD Rig: KES #57

WELL STATUS

Surf Csg: 8 5/8 @ 310' Production csg: 4 1/2" 11.6# J-55 @ 6035' Csg PBTD: 6012'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT: 0 BP/Sand PBTD: 5360'
BP/Sand PBTD: 5790'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B sds	5198-5206'	4/32			
B sds	5256-5266'	4/40			
LDC sds	5603-5614'	4/44			
LDC sds	5722-5726'	4/16			
CP sds	5941-5954'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 05-May-00 SITP: SICP: 0

Bleed off est 4 BTF. RU Schlumberger and run 4 1/2" "HE" RBP. Set plug @ 5360'. Run 3 1/8" perf gun and perf B sds @ 5198-5206' & 5256-5266' W/ 4 JSPF. RD WLT. TIH W/ 4 1/2" HD pkr & tbg. Tbg displaced 9 BW on TIH. Set pkr @ 5236'. Breakdown perfs 5256-66' (down tbg) @ 3000 psi. Get IR of 2.2 BPM @ 1800 psi. Breakdown perfs 5198-5206' (down csg) @ 4100 psi. Get IR of 2.0 BPM @ 800 psi. Used 2 BW. Release pkr. RU swab equip. IFL @ sfc. Made 8 swab runs rec 56 BTF. FFL @ 4000'. TOH W/ tbg & pkr. RU BJ Services and frac B sds W/ 74,500# 20/40 sd in 372 bbls Viking I-25 fluid. Perfs broke back @ 3100 psi @ 12.7 BPM. Treated @ ave press of 2500 psi W/ ave rate of 26 BPM. ISIP-2780 psi, 5 min-2712 psi. RD BJ. Flow back frac on 12/64 choke for 2 1/2 hrs & died. Rec 77 BTF (est 21 % of frac load). SIFN W/ est 896 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 668 Starting oil rec to date: 0
Fluid lost/recovered today: 228 Oil lost/recovered today: 0
Ending fluid to be recovered: 896 Cum oil recovered: 0
IFL: sfc FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

3000 gals of pad

1000 gals W/ 1-6 ppg of 20/40 sand

8324 gals W/ 6-8 ppg of 20/40 sand

Flush W/ 3318 gals of slick water

COSTS

KES rig	\$2,121
HE RBP rental	\$600
Schlumberger (B sds)	\$2,424
BJ--B sds frac	\$14,742
BOP	\$130
Frac tks (4 X 3 days)	\$120
Fuel gas (+/- 400mcf)	\$1,200
Frac head rental	\$200
Water truck	\$100
IPC Supervision	\$200

Max TP: 3188 Max Rate: 26.3 BPM Total fluid pmpd: 372 bbls

Avg TP: 2500 Avg Rate: 26 BPM Total Prop pmpd: 74,500#

ISIP: 2780 5 min: 2712 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$21,837

TOTAL WELL COST: \$227,894

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

Re-do

1. Plug #1 Set 511' plug from 5503'-6014' with 65 sx Class "G" cement.
2. Plug #2 Set 218' plug from 5098'-5316' with 30 sx Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
4. Plug #4 Set 100' plug from 262'-362' (50' on either side of casing shoe) with 15 sx Class "G" cement.
5. Plug #5 Set 50' plug from surface with 10 sx Class "G" cement.
6. Plug #6 Pump 10 sx Class "G" cement down the 8-5/8" x 4-1/2" annulus to cement 312' to surface.

The approximate cost to plug and abandon this well is \$18,000.

Wells Draw #9-32-8-16

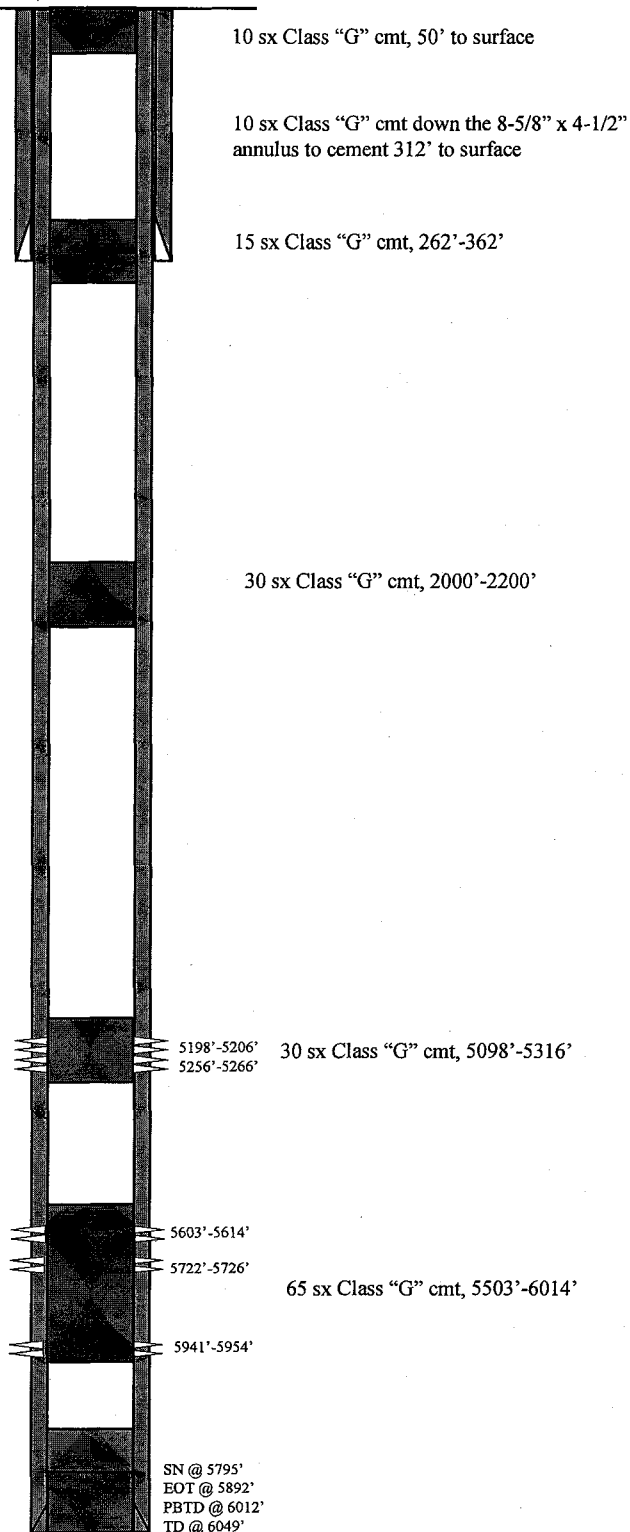
Spud Date: 4/06/2000
 Put on Production: 5/09/2000
 GL: 5742' KB: 5752'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310')
 DEPTH LANDED: 312'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 142 jts. (6037.52')
 DEPTH LANDED: 6035.12'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.
 CEMENT TOP AT: Surface per CBL

Proposed P & A
Wellbore Diagram

Inland Resources Inc.

Wells Draw #9-32-8-16

1977 FSL 562 FEL

NE/SE Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31819; Lease #ML21836

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SE 1977' FSL, 562' FEL Sec. 32, T8S, R16E

5. Lease Designation and Serial No.

ML-21836

6. If Indian, Allottee or Tribe Name

NA

7. If unit or CA, Agreement Designation

8. Well Name and No.

Wells Draw State #9-32

9. API Well No.

43-013-31819

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please see attached injection application.

RECEIVED

MAR 08 2001

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Joyce I. McGough

Title

Regulatory Specialist

Date

2/28/01

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

May 2, 2001

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Wells Draw Unit Well: Wells Draw State 9-32-8-16, Section 32, Township 8 South,
Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Wells Draw State 9-32-8-16

Location: 32/9S/16E

API: 43-013-31819

Ownership Issues: The proposed well is located on land owned by the State of Utah (SITLA). The well is located in the Wells Draw Unit. Lands in the one-half mile radius of the well are administered by SITLA and the BLM. SITLA and the Federal Government are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 312 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6035 feet and has a cement bond in excess of 80% up to 452'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 5165 feet. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 4 water injection wells and in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 800 feet. Injection shall be limited to the interval between 5198 feet and 5954 feet in the Green River Formation. Information submitted by Inland indicates that the minimum fracture gradient for the 9-32-8-16 well is .78 psi/ft. The resulting minimum fracture pressure for the proposed injection interval is 2060 psig. The requested maximum pressure is 2060 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Wells Draw State 9-32-8-16
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Wells Draw Unit on January 26, 1994. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the State

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date 5/2/2001

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation
Salt Lake Tribune DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	04/09/01

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL82013S3F1
SCHEDULE	
START 04/09/01 END 04/09/01	
CUST. REF. NO.	
UIC-272	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
57 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	132.24
TOTAL COST	
132.24	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---00000---

IN THE MATTER OF THE : NOTICE OF AGENCY
APPLICATION OF INLAND : ACTION
PRODUCTION COMPANY FOR : CAUSE NO. UIC-272
ADMINISTRATIVE APPROVAL OF :
THE WELLS DRAW STATE 9-32- :
8-16 and 15-32-8-16 WELL :
LOCATED IN SECTION 32, TOWN- :
SHIP 8 SOUTH, RANGE 16 EAST, :
S.L.M., DUCHESNE COUNTY, UTAH, :
AS A CLASS II INJECTION WELL :

---00000---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Wells Draw State 9-32-8-16 and 15-32-8-16 Wells, located in Section 32, Township 8 South, Range 16 East, Duchesne County, Utah, for conversion to a Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April, 2001.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ John R. Baza
Associate Director

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT
ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN U82013S3F
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/09/01 END 04/09/01
SIGNATURE [Signature]
DATE 04/09/01

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.**

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH


I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 10 day of April, 20 01, and that the last publication of such notice was in the issue of such newspaper dated the 10 day of April, 20 01.



Publisher

Subscribed and sworn to before me this

12 day of April, 20 01



Notary Public

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-272
BEFORE THE DIVI-
SION OF OIL, GAS AND
MINING, DEPART-
MENT OF NATURAL
RESOURCES, STATE OF
UTAH.

IN THE MATTER OF
THE APPLICATION OF
INLAND PRODUCTION
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE WELLS
DRAW STATE 9-32-8-16
and 15-32-8-16 WELLS
LOCATED IN SECTION
32, TOWNSHIP 8
SOUTH, RANGE 16
EAST, S.L.M.,
DUCHESNE COUNTY,
UTAH, AS A CLASS II
INJECTION WELLS.

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given
that the Division of Oil, Gas
and Mining (the "Division")
is commencing an informal
adjudicative proceeding to
consider the application of
Inland Production Company
for administrative approval
of the Wells Draw State 9-
32-8-16 and 15-32-8-16
Wells, located in Section 32,
Township 8 South, Range
16 East, Duchesne County,
Utah, for conversion to
Class II injection wells. The
proceeding will be conducted
in accordance with Utah
Admin. R649-10, Adminis-
trative Procedures.

Selective zones in the
Green River Formation will
be used for water injection.
The maximum requested
injection pressure and rate
will be determined based on
fracture gradient information
submitted by Inland Pro-
duction Company.

Any person desiring to
object to the application or
otherwise intervene in the
proceeding must file a writ-
ten protest or notice of in-
tervention with the Divi-
sion within fifteen days fol-
lowing publication of this
notice. If such a protest or
notice of intervention is re-
ceived, a hearing will be
scheduled in accordance
with the aforementioned
administrative procedural
rules. Protestants and/or
interveners should be pre-
pared to demonstrate at the

rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April, 2001.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza

Associate Director

Published in the Uintah
Basin Standard April 10,
2001.

[illegible]



August 9, 2002

Mr. Dan Jarvis
State of Utah, DOGM
1594 West North Temple – Suite 1310
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Injection Conversion
Wells Draw 9-32-8-16
Sec.32, T8S, R16E
API # 43-013-31819

Dear Mr. Dan Jarvis,

Please find enclosed the sundry, tabular sheet and a copy of the chart on the Wells Draw 9-32-8-16. The subject well was placed from a producing to an injection well. If you have any questions please let me know.

Sincerely,

Krisha Russell
Production Clerk

RECEIVED

AUG 12 2002

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML21836 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A 7. UNIT AGREEMENT NAME WELLS DRAW 8. FARM OR LEASE NAME WELLS DRAW 9-32-8-16 9. WELL NO. WELLS DRAW 9-32-8-16 10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/SE Section 32, T8S R16E	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY 3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/SE Section 32, T8S R16E	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/SE Section 32, T8S R16E 1977 FSL 562 FEL		12. COUNTY OR PARISH DUCHESNE 13. STATE UT	
14 API NUMBER 43-013-31819	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5752 GR		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> <input type="checkbox"/> (OTHER) <input type="checkbox"/>		SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <input checked="" type="checkbox"/> Injection Conversion (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted from a producing to an injection well on 08/06/02. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 5150'. On 08/07/02 the casing was pressured to 1125 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dave Hackford w/State DOGM was there to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>8/9/2002</u>	
Krishna Russell			

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

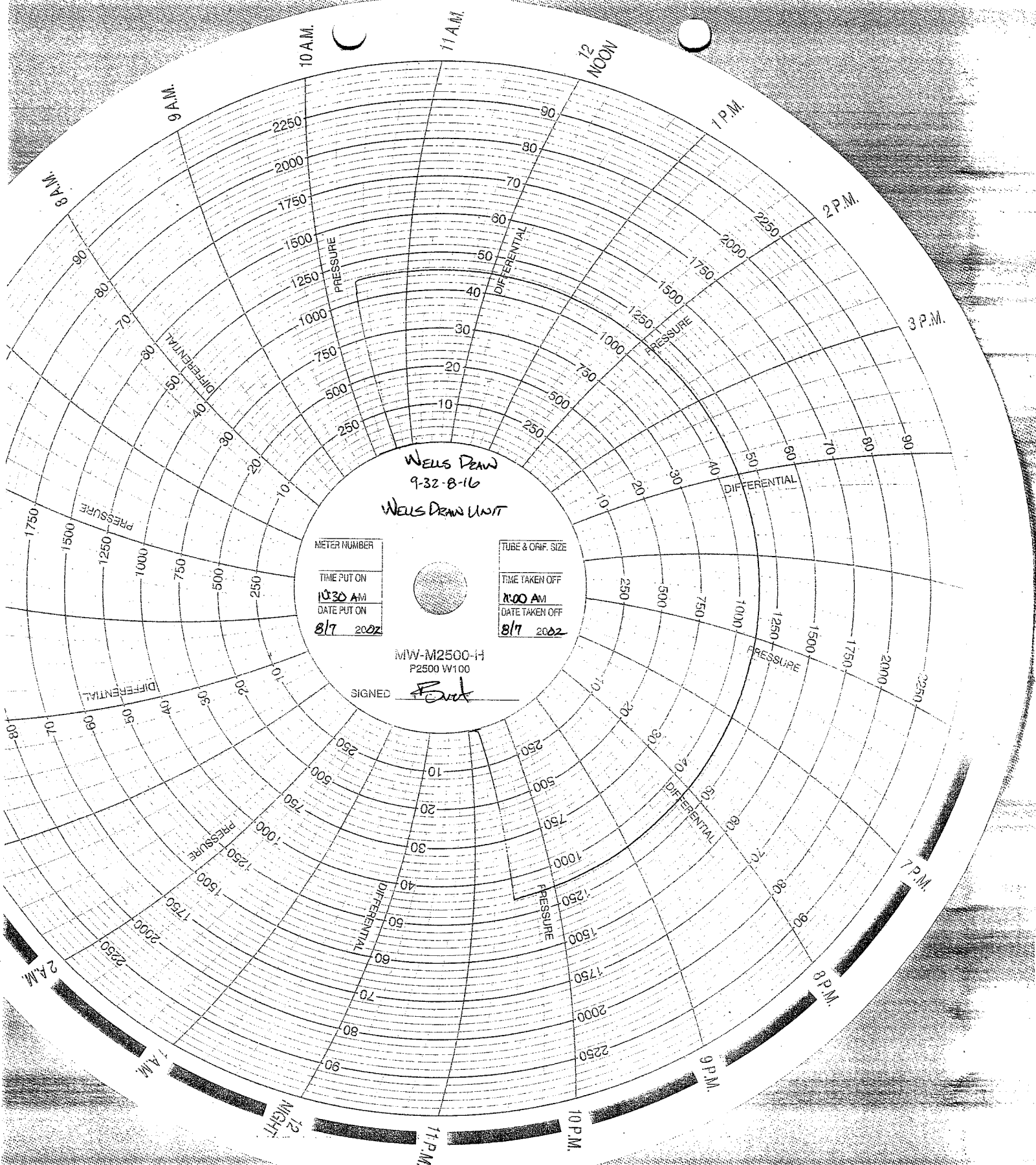
CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

AUG 12 2002

DIVISION OF
OIL, GAS AND MINING



WELLS DEAN
9-32-B-16
WELLS DEAN UNIT

METER NUMBER
TIME PUT ON
10:30 AM
DATE PUT ON
8/7 2002

TUBE & ORIF. SIZE
TIME TAKEN OFF
11:00 AM
DATE TAKEN OFF
8/7 2002

MW-M2500-H
P2500 W100

SIGNED *Paul*

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: DAVE HACKFORD Date 8/7/02 Time 10:30 am pm

Test Conducted by: BRET HENRIE

Others Present: _____

Well: WELLS DRAW 9-32-8-16

Field: WELLS DRAW

Well Location: NE/SE Sec. 32, T8S, R16E

API No: 43-013-31819

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1125</u>	psig
5	<u>1125</u>	psig
10	<u>1125</u>	psig
15	<u>1125</u>	psig
20	<u>1125</u>	psig
25	<u>1125</u>	psig
30 min	<u>1125</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 210 psig

Result:

Pass

Fail

Signature of Witness:

Dave M. Hackford

Signature of Person Conducting Test:

Bret Henrie



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-272

Operator: Inland Production Company
Well: Wells Draw 9-32-8-16
Location: Section 32, Township 8 South, Range 16 East
County: Duchesne
API No.: 43-013-31819
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 2, 2001.
2. Maximum Allowable Injection Pressure: 1580 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (5198 feet - 5954 feet)

Approved by:

John R. Baza
Associate Director

8/19/02

Date

er

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

OIL ☐ GAS ☐
WELL ☐ WELL ☐ OTHER ☒2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY3. ADDRESS AND TELEPHONE NUMBER
Rt. 3 Box 3630, Myton Utah 84052
435-646-37214. LOCATION OF WELL

Footages **1977 FSL 562 FEL**

QQ, SEC, T, R, M: **NE/SE Section 32, T8S R16E**5. LEASE DESIGNATION AND SERIAL NO.
ML218366. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A7. UNIT AGREEMENT NAME
WELLS DRAW8. WELL NAME and NUMBER
WELLS DRAW 9-32-8-169 API NUMBER
43-013-3181910 FIELD AND POOL, OR WILDCAT
MONUMENT BUTTECOUNTY **DUCHESNE**
STATE **UTAH**11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

NOTICE OF INTENT:

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input type="checkbox"/> MULTIPLE COMPLETION | <input type="checkbox"/> WATER SHUT OFF |
| <input type="checkbox"/> OTHER _____ | |

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON* | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input checked="" type="checkbox"/> OTHER <u>Report of First Injection</u> | |

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

The above referenced well was put on injection at 11:15 a.m. on 8/20/02.

13. NAME & SIGNATURE: Mandie Crozier TITLE Permit ClerkDATE 8/20/2002

(This space for State use only)

RECEIVED**AUG 21 2002****DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>8/17/02</u>	Well Owner/Operator: <u>Inland Production Co.</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31819</u>	Well Name/Number: <u>WDU 9-32-8-16</u>
Section: <u>32</u>	Township: <u>8S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 210 psi
Casing/Tubing Annulus - Pressure: 1125 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1125</u>	<u>210</u>
5	<u>1125</u>	<u>210</u>
10	<u>1125</u>	<u>210</u>
15	<u>1125</u>	<u>210</u>
20	<u>1125</u>	<u>210</u>
25	<u>1125</u>	<u>210</u>
30	<u>1125</u>	<u>210</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 210 psi
Casing/Tubing Annulus Pressure: 1125 psi

REMARKS:

New Connection

Bob Henrie
Operator Representative

David W. Newbold
DOGM Witness

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
Inland Production Company

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1969 FNL 710 FEL

QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NE, 32, T8S, R16E

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML21836

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
WELLS DRAW UNIT

8. WELL NAME and NUMBER:
WELLS DRAW UNIT 8-32-8-16

9. API NUMBER:
4301332219

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

COUNTY: Duchesne

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will

07/09/2004

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of Work Completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☒ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: -

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE) Mandie Crozier

TITLE Regulatory Specialist

SIGNATURE

DATE August 04, 2004

(This space for State use only)

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AUG 05 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, c
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: ML21836
2. NAME OF OPERATOR: Inland Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: WELLS DRAW UNIT 8-32-8-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1969 FNL 710 FEL		9. API NUMBER: 4301332219
QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NE, 32, T8S, R16E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Duchesne
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>07/09/2004</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

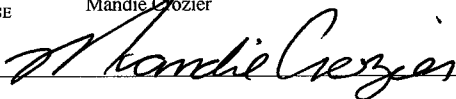
Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project. Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE) Mandie Crozier

TITLE Regulatory Specialist

SIGNATURE



DATE August 04, 2004

(This space for State use only)

RECEIVED
AUG 05 2004
DIV. OF OIL, GAS & MINING

Inland Resources Inc.

August 11, 2004

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

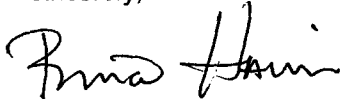
Wells Draw 8-32-8-16 (43-013-32219)
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver
Matt Richmond/Roosevelt

RECEIVED

AUG 13 2004

DIV. OF OIL, GAS & MINING

Alamo Plaza Building
1401 Seventeenth Street, Suite 1000
Denver, CO 80202
303-893-0102 • Fax: 303-893-0103

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 1969' FNL & 710' FEL (SENE) Sec. 32, Twp 8S, Rng 16E
At top prod. Interval reported below

At total depth

14. API NO. 43-013-32219 DATE ISSUED 3/12/2001

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 4/27/2004 16. DATE T.D. REACHED 6/14/2004 17. DATE COMPL. (Ready to prod.) 7/9/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 5711' KB 5724' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6371' 21. PLUG BACK T.D., MD & TVD 6305' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4412'-6054' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	322'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6347'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6096'	TA @ 5966'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1,2,3,4) 5914-5924'				
5952-58', 6022-26', 6046-54'	.41"	4/112	5914'-6054'	Frac w/ 78,979# 20/40 sand in 610 bbls fluid.
(LODC) 5594-5604', 5664-5684'	.41"	4/120	5594'-5684'	Frac w/ 99,277# 20/40 sand in 725 bbls fluid.
(A1,3) 5403-14', 5432-38'	.41"	4/68	5403'-5438'	Frac w/ 44,757# 20/40 sand in 416 bbls fluid.
(B.5,2) 5208-12', 5265-72'	.41"	4/44	5208-5272'	Frac w/ 54,668# 20/40 sand in 460 bbls fluid.
(GB4) 4412-18'	.41"	4/24	4412'-4418'	Frac w/ 36,665# 20/40 sand in 326 bbls fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION 7/9/2004		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD -->	OIL--BBL. 194	GAS--MCF. 591	WATER--BBL. 8		GAS-OIL RATIO 3046
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE -->	OIL--BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.) RECEIVED	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED AUG 13 2004

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Brian Harris

TITLE Engineering Technician

DATE 8/11/2004

BDH

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Wells Draw 8-32-8-16	Garden Gulch Mkr	4026'	
				Garden Gulch 1	4154'	
				Garden Gulch 2	4269'	
				Point 3 Mkr	4533'	
				X Mkr	4795'	
				Y-Mkr	4832'	
				Douglas Creek Mkr	4949'	
				BiCarbonate Mkr	5190'	
				B Limestone Mkr	5313'	
				Castle Peak	5854'	
				Basal Carbonate	6288'	
				Total Depth (LOGGERS)	6371'	



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List	API Number
Location of Well Footage : County : QQ, Section, Township, Range: State : UTAH	Field or Unit Name See Attached List Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *[Signature]*

Approval Date: 9-20-04

Title: *Field Services Manager*

Comments:

Note: Indian Country wells will require EPA approval.

(9/2004)

RECEIVED

SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

Wells Draw (Green River)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WELLS DRAW 15-32-8-16	32	080S	160E	4301331676	12276	State	WI	A
WELLS DRAW 16-32-8-16	32	080S	160E	4301331817	12276	State	OW	P
WELLS DRAW 9-32-8-16	32	080S	160E	4301331819	12276	State	WI	A
WELLS DRAW 5-32-8-16	32	080S	160E	4301332218	12276	State	WI	A
WELLS DRAW 8-32-8-16	32	080S	160E	4301332219	12276	State	OW	P
FEDERAL 23-33-B	33	080S	160E	4301331251	12276	Federal	WI	A
FEDERAL 33-33-B	33	080S	160E	4301331268	12276	Federal	OW	P
FEDERAL 34-33-B	33	080S	160E	4301331269	12276	Federal	WI	A
FEDERAL 44-33-B	33	080S	160E	4301331270	12276	Federal	OW	P
FEDERAL 13-33-B	33	080S	160E	4301331277	12276	Federal	OW	P
FEDERAL 13-34-B	34	080S	160E	4301331271	12276	Federal	OW	P
FEDERAL 11-4-G	04	090S	160E	4301331250	12276	Federal	OW	P
FEDERAL 21-4-G	04	090S	160E	4301331272	12276	Federal	WI	A
WELLS DRAW 1-4-9-16	04	090S	160E	4301331971	12276	Federal	WI	A
WELLS DRAW 6-4	04	090S	160E	4301331972	12276	Federal	OW	P
WELLS DRAW 7-4	04	090S	160E	4301331973	12276	Federal	WI	A
FEDERAL 31-5-G	05	090S	160E	4301331252	12276	Federal	OW	S
WELLS DRAW 22-5G	05	090S	160E	4301331273	12276	Federal	OW	P
WELLS DRAW U 5-5-9-16	05	090S	160E	4301331759	12276	Federal	WI	A
WELLS DRAW 8-5-9-16	05	090S	160E	4301332132	12276	Federal	OW	P
WELLS DRAW 10-5-9-16	05	090S	160E	4301332133	12276	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML21836

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

2. NAME OF OPERATOR:
Newfield Production Company

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1977 FSL 562 FEL COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SE, 32, T8S, R16E STATE: Utah

7. UNIT or CA AGREEMENT NAME:
WELLS DRAW UNIT

8. WELL NAME and NUMBER:
WELLS DRAW 9-32-8-16

9. API NUMBER:
4301331819

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION SubDate

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of Work Completion:

11/02/2005

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - Step Rate Test

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on September 20, 2005. Results from the test indicate that the fracture gradient is .787 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1830 psi.

COPY SENT TO OPERATOR

Date: 11-8-05
Initials: CMO

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-07-05

By: [Signature]

NAME (PLEASE PRINT) Cheyenne Batemen

TITLE Well Analyst Foreman

SIGNATURE [Signature]

DATE 11/02/2005

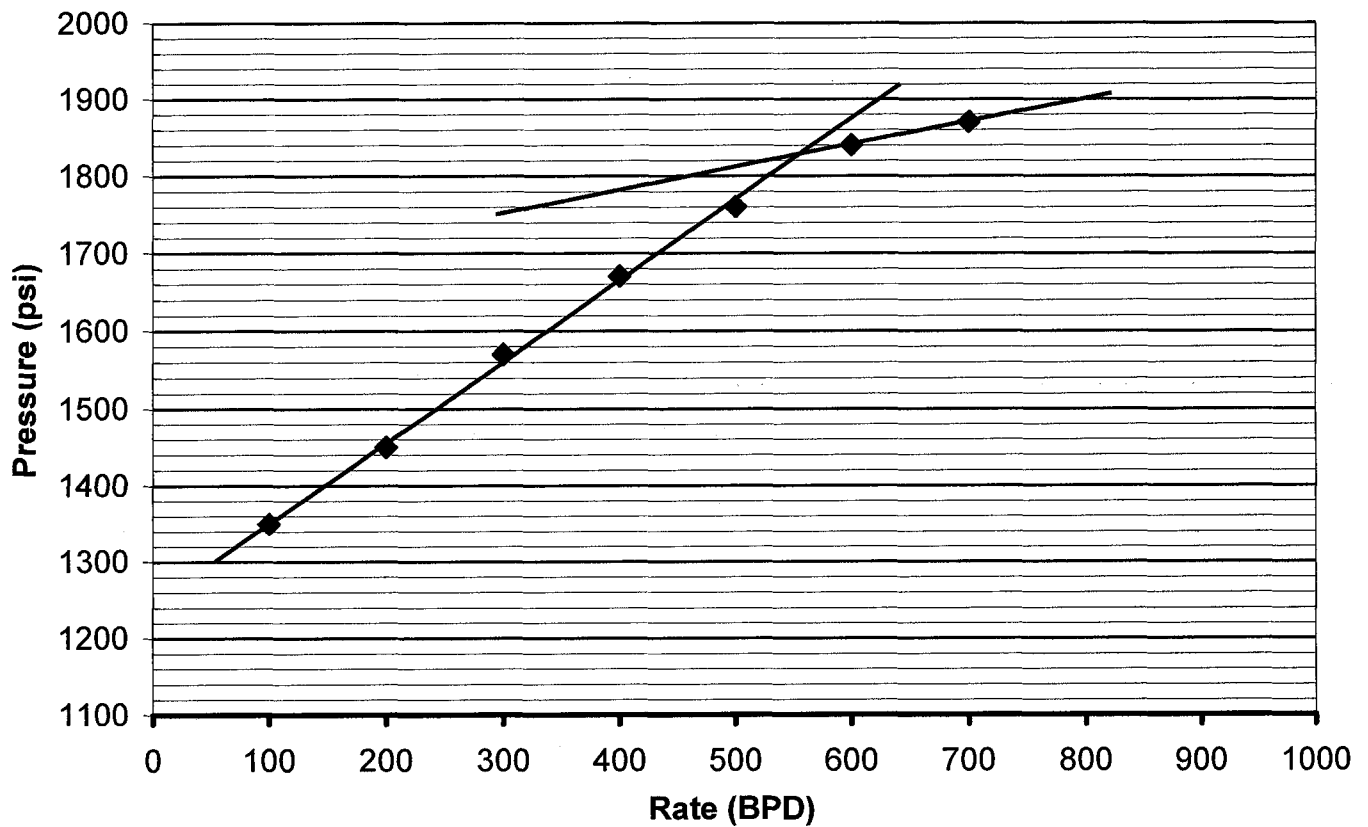
(This space for State use only)

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NOV 03 2005

DIV. OF OIL, GAS & MINING

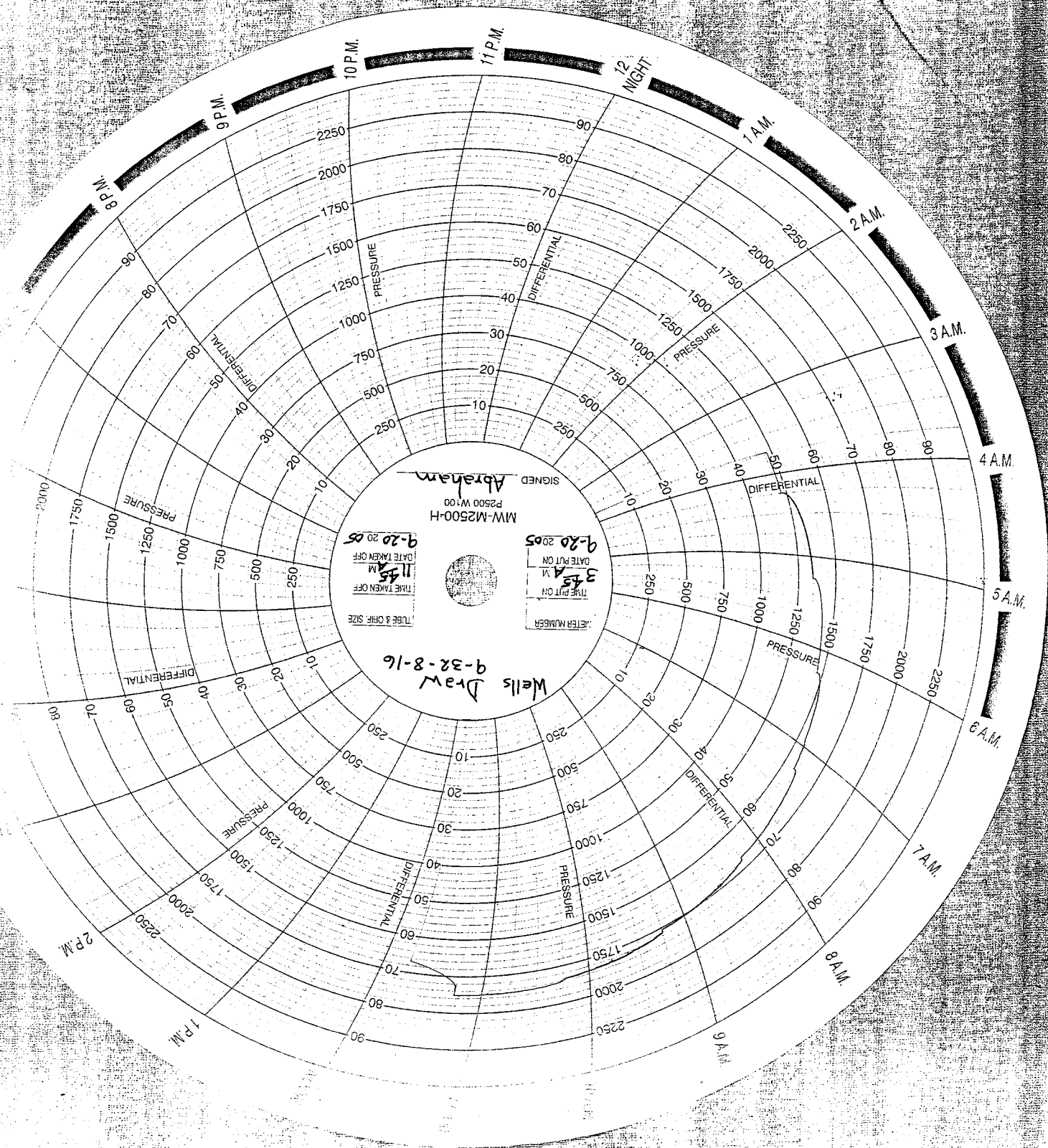
2060

Wells Draw 9-32-8-16
Wells Draw Unit
Step Rate Test
September 20, 2005



Start Pressure: 1220 psi
Instantaneous Shut In Pressure (ISIP): 1830 psi
Top Perforation: 5198 feet
Fracture pressure (Pfp): 1830 psi
FG: 0.787 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1350
2	200	1450
3	300	1570
4	400	1670
5	500	1760
6	600	1840
7	700	1870



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTAH STATE ML-21836
6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
WELLS DRAW UNIT

8. Well Name and No.
WELLS DRAW 9-32-8-16

9. API Well No.
4301331819

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☒ Other *CEP*

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1977 FSL 562 FEL

NESE Section 32 T8S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Five Year MIT _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 07/02/07 Dennis Ingram with the State of Utah (DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 07/03/07. On 07/03/07 the casing was pressured up to 1380 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1610 psig during the test. There was a State representative available to witness the test.

(Dennis Ingram)

API# 43-013-31819

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 07-18-07

By: *[Signature]*

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jentri Park

Signature

Title

Production Clerk

Date

07/11/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

COPY SENT TO OPERATOR
Date: 7-18-07
Initials: *[Signature]*

RECEIVED

JUL 13 2007

DIV. OF OIL, GAS & MINING

Wells Draw #9-32-8-16

Spud Date: 4/06/2000
Put on Production: 5/09/2000
GL: 5742' KB: 5752'

IP: 141 BOPD, 320 MCFD, 8 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310')
DEPTH LANDED: 312'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt.

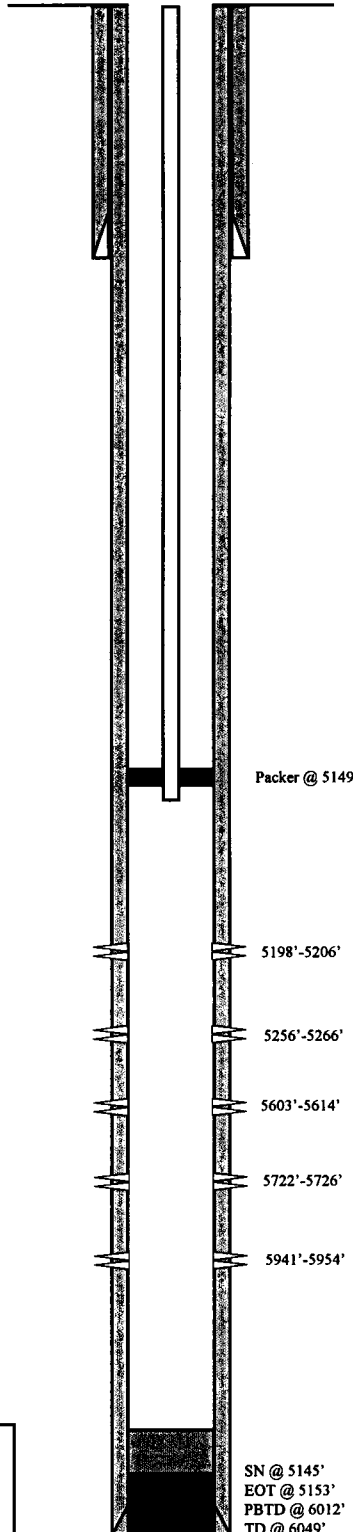
PRODUCTION CASING

CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 11.6#
LENGTH: 142 jts. (6037.52')
DEPTH LANDED: 6035.12'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 160 jts (5135.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5145.50' KB
PACKER: 5149.60' KB
TOTAL STRING LENGTH: EOT @ 5153.21' KB

Injection Wellbore Diagram



FRAC JOB

5/04/00 5941'-5954' **Frac CP sand as follows:**
74,500# 20/40 sand in 436 bbls Viking I-25 fluid. Treated @ avg pressure of 2950 psi with avg rate of 27.5 BPM. ISIP 2075 psi.

5/04/00 5603'-5726' **Frac LDC sand as follows:**
95,500# 20/40 sand in 479 bbls Viking I-25 fluid. Treated @ avg pressure of 3320 psi with avg rate of 32.4 BPM. ISIP 3240 psi.

5/05/00 5198'-5266' **Frac B sand as follows:**
74,500# 20/40 sand in 372 bbls Viking I-25 fluid. Treated at avg pressure of 2500 psi @ avg rate of 26 BPM. ISIP 2780 psi.

7/11/02 Hole in tubing. Update rod and tubing details.

8/07/02 Convert to injector.

07/11/07 Five year MIT

PERFORATION RECORD

5/04/00	5941'-5954'	4 JSPF	52 holes
5/04/00	5603'-5614'	4 JSPF	44 holes
5/04/00	5722'-5726'	4 JSPF	16 holes
5/05/00	5198'-5206'	4 JSPF	32 holes
5/05/00	5256'-5266'	4 JSPF	40 holes



Wells Draw #9-32-8-16
1977 FSL & 562 FEL
NE/SE Section 32-T8S-R16E
Duchesne Co, Utah
API #43-013-31819; Lease #ML21836

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Dennis Ingram Date 7/3/07 Time 11:00 (am) pm
Test Conducted by: Jeff Putnam
Others Present: _____

Well: Wells Draw 9-32-8-16

Field: NFX

Well Location: NE/SE Sec. 32 T8S, R16E
Duchesne County Utah

API No: 43-013-31819

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1380</u>	psig
5	<u>1380</u>	psig
10	<u>1380</u>	psig
15	<u>1380</u>	psig
20	<u>1380</u>	psig
25	<u>1380</u>	psig
30 min	<u>1380</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1610 psig

Result:

Pass

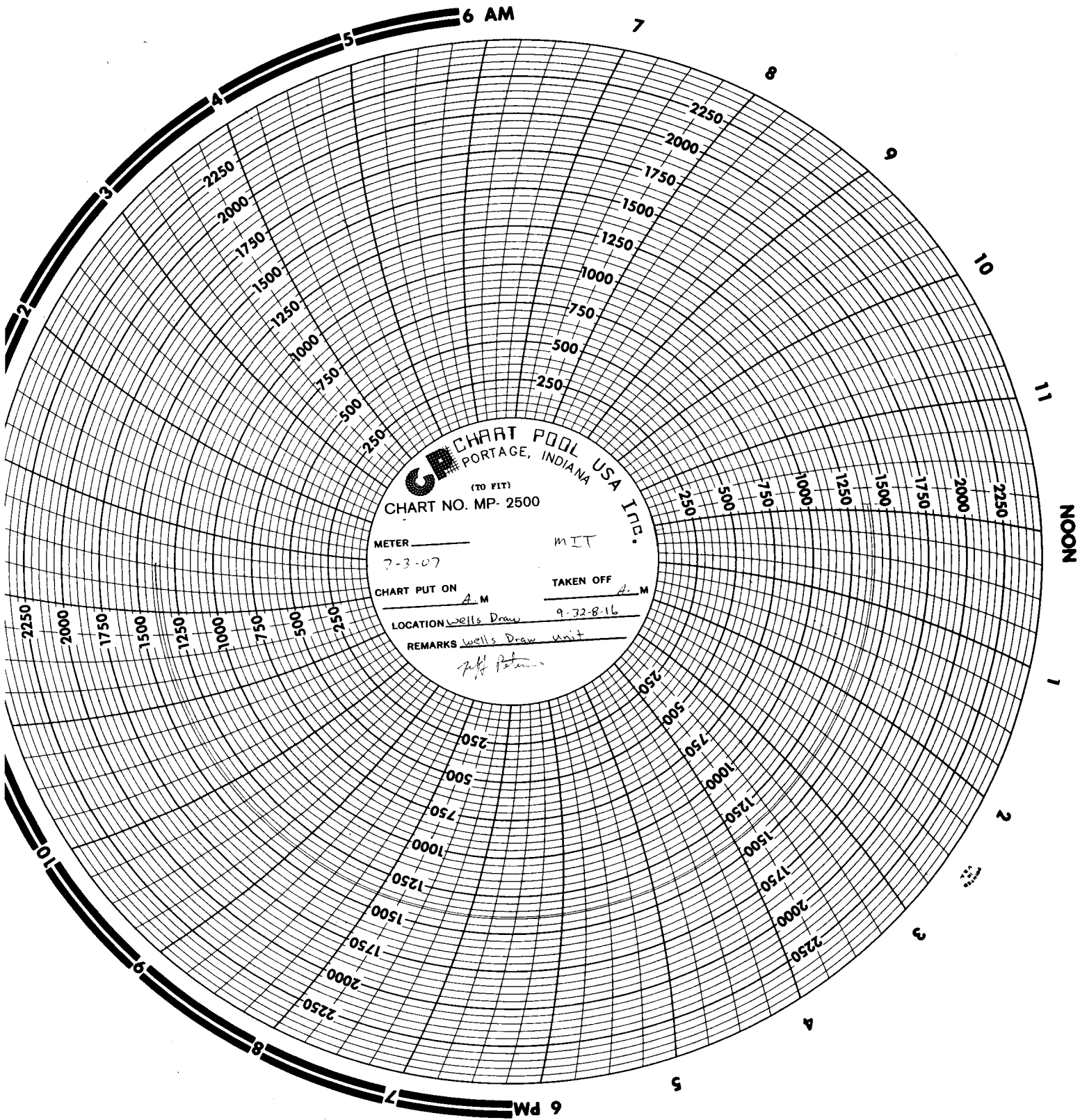
Fail

Signature of Witness:

Dennis Ingram

Signature of Person Conducting Test:

Jeff Putnam



GP CHART POOL USA INC.
(TO FIT)
PORTAGE, INDIANA
CHART NO. MP- 2500

METER _____ MIT
7-3-07

CHART PUT ON _____ TAKEN OFF _____
A.M. A.M.

LOCATION Wells Draw 9-32-8-16

REMARKS Wells Draw unit
John Peterson

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>Wells Draw 9-32-8-16</u>	API Number: <u>43-013-31819</u>
Qtr/Qtr: <u>NE/SE</u>	Section: <u>32</u> Township: <u>8S</u> Range: <u>16E</u>
Company Name: <u>NEWFIELD PRODUCTION CO</u>	
Lease: State <u>ML-21836</u> Fee _____	Federal _____ Indian _____
Inspector: <u>Dennis Dg</u>	Date: <u>7-3-07</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 1610 psiCasing/Tubing Annulus - Pressure: 1380 psi


Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1380</u>	<u>1610</u>
5	<u>1380</u>	<u>1610</u>
10	<u>1380</u>	<u>1610</u>
15	<u>1380</u>	<u>1610</u>
20	<u>1380</u>	<u>1610</u>
25	<u>1380</u>	<u>1610</u>
30	<u>1380</u>	<u>1610</u>

Results: Pass/Fail


Conditions After Test:

Tubing Pressure: 1610 psiCasing/Tubing Annulus Pressure: 1380 psiCOMMENTS: Test 5 year Rule: @ 11:00 AM



Operator Representative

RECEIVED
JUL 17 2007
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21836
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: WELLS DRAW 9-32-8-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1977 FSL 0562 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 32 Township: 08.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013318190000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/5/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 06/05/2012 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1632 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
Accepted by the Utah Division of Oil, Gas and Mining Date: June 18, 2012 By: 		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 6/6/2012

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 6/5/12 Time 10:00 am pm
Test Conducted by: Kody Olson
Others Present: _____

Well: WELLS DRAW UNIT
9-32-8-16

Field: Monument ButteWell Location: NE/SE Sec. 32, T8S, R16EAPI No: 43-013-31819Duchesne County, UTUTV 87538X

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	<u>1300</u>	psig
25	<u>1300</u>	psig
30 min	<u>1300</u>	psig
35	<u>1300</u>	psig
40	<u>1300</u>	psig
45	<u>1300</u>	psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1632 psig

Result:

Pass

Fail

Signature of Witness:

Chris Jensen

Signature of Person Conducting Test:

Thy W. J.

